

## Annotation Form

**Anchor Set**  
**Project: Kentucky Math Grade 10**  
**MA1020185**  
**Line Graph Auto Repair Company**

Paper	Doc ID	Score	Notes
<b>A101</b>	<b>AAAYIP1382 0000043661</b>	<b>3</b>	<p><b>Anchor Paper 1</b>  <b>Score Point 3</b>                      This response receives full credit. It demonstrates a complete understanding of the prompt.</p> <p>The response provides the correct equations for Company A (<math>y = 25x + 150</math>), Company B (<math>y = 50x + 50</math>), and the correct point of intersection, (4, 250).</p> <p>The response provides correct descriptions for the equations (Company A charges 25 dollars for every hour of work along with a 150 dollar initial fee... Company B charges 50 dollars for every hour at work with a 50 dollar initial fee) and point of intersection (shows when company A and company B charge the same amount of money for the same number of hours) as they relate to the situation.</p>
<b>A102</b>	<b>AAAYIP1382 0000291917</b>	<b>3</b>	<p><b>Anchor Paper 2</b>  <b>Score Point 3</b>                      This response receives full credit. It demonstrates a complete understanding of the prompt.</p> <p>The response provides the correct equations for Company A (<math>y = 25x + 150</math>), Company B (<math>y = 50x + 50</math>), and the correct point of intersection, (4,250).</p> <p>The response provides correct descriptions for the equations (they show that company A charges \$150 up front and charges \$25 per hours, while company B charges \$50 up front and \$50 per hour) and point of intersection (both companies will be charging the same amount of money after 4 hours) as they relate to the situation.</p>

Paper	Doc ID	Score	Notes
<b>A103</b>	<b>AAAYIP1382 0000292534</b>	<b>3</b>	<p><b>Anchor Paper 3 Score Point 3</b></p> <p>This response receives full credit. It demonstrates a complete understanding of the prompt.</p> <p>The response provides the correct equations for Company A (<math>y = 25x + 150</math>), Company B (<math>y = 50x + 50</math>), and the correct point of intersection, (4,250).</p> <p>The response provides correct descriptions for the equations (The line for Company A shows that there is a higher flat charge than there is for Company B, but Company B charges more per hour of labor) and point of intersection (If the work takes exactly 4 hours, the costs are the same) as they relate to the situation.</p>
<b>A104</b>	<b>AAAYIP1382 0000098447</b>	<b>2</b>	<p><b>Anchor Paper 4 Score Point 2</b></p> <p>This response receives partial credit. It demonstrates a partial understanding of the prompt.</p> <p>The response provides the correct equations for Company A (<math>y = 25x + 150</math>), and Company B (<math>y = 50x + 50</math>), with correct interpretation of the equations (Company charges \$25 dollars per every hour with a fixed start of \$150... While Company B charges \$50 dollars per hour with a fixed start of \$50).</p> <p>The response provides a correct interpretation for the point of intersection (Company A charges more at first but once you hit 4 hours of work, Company B starts to have a higher rate than Company A).</p> <p>The point of intersection is not given as an ordered pair or described using 4 and 250.</p>

Paper	Doc ID	Score	Notes
<b>A105</b>	<b>AAAYIP1382 0000289238</b>	<b>2</b>	<p><b>Anchor Paper 5 Score Point 2</b></p> <p>This response receives partial credit. It demonstrates a partial understanding of the prompt.</p> <p>The response provides the correct equations for Company A (<math>y = 25x + 150</math>), and Company B (<math>y = 50x + 50</math>), with correct interpretation of the equations (So for every hour in company a, they charge 25 more dollars while company b charges 50. Company a has a baseline price of 150 while company b has a baseline price of 50).</p> <p>The response provides a correct interpretation for the point of intersection (shows at how many hours do you pay the same for both companies).</p> <p>The point of intersection is not given as an ordered pair or described using 2 and 250.</p>
<b>A106</b>	<b>AAAYIP1382 0000195188</b>	<b>2</b>	<p><b>Anchor Paper 6 Score Point 2</b></p> <p>This response receives partial credit. It demonstrates a partial understanding of the prompt.</p> <p>The response provides the correct equation for Company B (<math>y = 50x + 50</math>) and correct interpretation of the equations (Company B is cheaper for less than 4 hours of work. Company A is cheaper for more than 4 hours of work).</p> <p>The response provides the correct point of intersection <math>[(4,250)]</math> and a correct interpretation for the point of intersection (charge the same for 4 hours of work, which would cost \$250).</p> <p>The equation for Company A is incorrect (<math>y = 12.5x + 150</math>) It gives an incorrect slope of 12.5.</p>

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<b>A107</b>	<b>AAAYIP1382 0000018755</b>	<b>1</b>	<p><b>Anchor Paper 7 Score Point 1</b> This response receives partial credit. It demonstrates a minimal understanding of the prompt.</p> <p>The response provides the correct equations for Company A (<math>150 + 25x</math> dollars, where <math>x =</math> hours), and Company B (<math>50 + 50x</math> dollars), with correct description of the equations (The equations relate to the situation by showing how much each company charges for working on a car... If the car repair takes less than 4 hours to do, she should go to Company B. If the repair takes more than 4 hours, she should go to Company A).</p> <p>However, the point of intersection and its description as it relates to the situation are missing.</p> <p><b>Note:</b> Expressions are acceptable when given for the equations.</p>
<b>A108</b>	<b>AAAYIP1382 0000123597</b>	<b>1</b>	<p><b>Anchor Paper 8 Score Point 1</b> This response receives partial credit. It demonstrates a minimal understanding of the prompt.</p> <p>The response provides a correct interpretation of the equations (before Company B increases overtaking Company A in price); however, the equations are missing.</p> <p>The response provides an explanation of the correct point of intersection (The lines intersect at hour 4 at \$250) but the point of intersection is missing.</p>
<b>A109</b>	<b>AAAYIP1382 0000141940</b>	<b>1</b>	<p><b>Anchor Paper 9 Score Point 1</b> This response receives partial credit. It demonstrates a minimal understanding of the prompt.</p> <p>The response provides a correct interpretation of the equations (Company A charges less then company B when you ask for less then 4 hours of work); however, the equations are missing.</p> <p>The response provides the correct point of intersection and an explanation [The lines intersect at (4,250), indicating that for 4 hours of work, both companies charge 250 dollars].</p>

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<b>A110</b>	<b>AAAYIP1382 0000169875</b>	<b>0</b>	<p><b>Anchor Paper 10</b> <b>Score Point 0</b></p> <p>This response receives no credit. It is insufficient to demonstrate a grade-appropriate, relevant understanding of the task.</p> <p>The response provides no equations, an incorrect point of intersection (5 hours), and an incomplete description of the equations (So, if you need 4 or less hours... go for Company B... if you need 4 or more hour... go with Company A) as they relate to the situation.</p>
<b>A111</b>	<b>AAAYIP1382 0000400604</b>	<b>0</b>	<p><b>Anchor Paper 11</b> <b>Score Point 0</b></p> <p>This response receives no credit. It is insufficient to demonstrate a grade-appropriate, relevant understanding of the prompt.</p> <p>The response provides incorrect equations (<math>a = 50x - 200</math>... <math>b = 25x - 200</math>), no point of intersection, and the description (company a's employees are paid at a higher rate than company b) is irrelevant to the prompt.</p>
<b>A112</b>	<b>AAAYIP1382 0000129020</b>	<b>0</b>	<p><b>Anchor Paper 12</b> <b>Score Point 0</b></p> <p>This response receives no credit. It is insufficient to demonstrate a grade-appropriate, relevant understanding of the task.</p> <p>Though the statement (the relationship between how much they charge depends on how long they work) is true, it is irrelevant to the prompt.</p>

**Practice Set #1**  
**Project: Kentucky Math Grade 10**  
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p101	AAAYIP1382 0000577374	0	<p><b>Practice Set 1, Paper 1</b>  <b>Score Point 0</b></p> <p>This response receives no credit. It is insufficient to demonstrate a grade-appropriate, relevant understanding of the task.</p> <p>The response provides incorrect equations [<math>A = 200</math> (2) and <math>275</math> (5), <math>B = 200</math> (3) and <math>350</math> (6)] with no explanations.</p> <p>The response provides the correct point of intersection [(4,250)] but gives an incorrect interpretation of the point of intersection (company A \$200 for 2 hours and company B \$200 for 3 hours).</p> <p><b>Note:</b> The correct point of intersection alone is not sufficient for a Score Point 1.</p>
p102	AAAYIP1382 0000372509	1	<p><b>Practice Set 1, Paper 2</b>  <b>Score Point 1</b></p> <p>This response receives partial credit. It demonstrates a minimal understanding of the prompt.</p> <p>The response provides a correct interpretation of the equations with all key values given (Company A has a base fee of 150 dollars and charges 25 dollars per hour after that while Company B has a base fee of 50 dollars but charges 50 dollars per hour of work); however, the equations are not given.</p> <p>The point of intersection is not given but its significance is explained (company A will be less expensive for anything more than 4 hours of work and Company B will be cheaper for anything less than 4 hours of work).</p>

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p103	AAAYIP1382 0000014896	2	<p><b>Practice Set 1, Paper 3</b> <b>Score Point 2</b></p> <p>This response receives partial credit. It demonstrates a partial understanding of the prompt.</p> <p>The response provides the correct equations for Company A (<math>y = 150 + 25x</math>), and Company B (<math>y = 50 + 50x</math>).</p> <p>The response provides correct descriptions for the equations, relative to the incorrect point of intersection (The intersection point is (2,250) meaning that company b is less expensive when <math>x &lt; 2</math> and more expensive when <math>x &gt; 2</math>). After giving an incorrect correct point of intersection, the descriptions for the equations are correct, based on that error.</p> <p>The response provides a correct description for the point of intersection, relative to the incorrect point of intersection (The intersection point shows the change in which company is more expensive).</p> <p>The point of intersection is incorrect, (2,250). The x value should be 4, not 2.</p> <p><b>Note:</b> The response shows one error in the x-value of the point of intersection (2) that is carried throughout the response and applied correctly.</p>
p104	AAAYIP1382 0000188444	3	<p><b>Practice Set 1, Paper 4</b> <b>Score Point 3</b></p> <p>This response receives full credit. It demonstrates a complete understanding of the prompt.</p> <p>The response provides the correct equations for Company A (<math>x25 + 150</math>), Company B (<math>x50 + 50</math>), and the correct point of intersection (at 4 hours both companies charge 250).</p> <p>The response provides correct descriptions for the equations (company B charges less until 4 hours but then Company A changers less after 4 hours.) and point of intersection (at 4 hours both companies charge 250) as they relate to the situation.</p> <p><b>Note:</b> Expressions are acceptable when given for the equations.</p> <p><b>Note:</b> The point of intersection does not have to be stated as an ordered pair.</p>

Paper	RF Number	Score	Notes
p105	AAAYIP1382 0000039839	0	<p><b>Practice Set 1, Paper 5</b> <b>Score Point 0</b></p> <p>This response receives no credit. It is insufficient to demonstrate a grade-appropriate, relevant understanding of the task.</p> <p>No equations are given and the description of the equations (the equations show the cost per hour and how they compare) is too vague to receive credit.</p> <p>The response does not give the point of intersection and provides an incorrect description of the point of intersection (at 5 hours, the cost of the 2 companies are the same).</p> <p><b>Note:</b> The correct interpretation of the point of intersection alone is not sufficient for a Score Point 1.</p>
p106	AAAYIP1382 0000648295	1	<p><b>Practice Set 1, Paper 6</b> <b>Score Point 1</b></p> <p>This response receives partial credit. It demonstrates a minimal understanding of the prompt.</p> <p>The response provides the correct point of intersection [Intersection= (4,250)] with a correct description of the point of intersection (The intersection shows where the prices are the same on the graph) as it relates to the situation.</p> <p>The given equations are incorrect and the interpretation of the equations (The equations of the lines on the graph relate to the situation because they show the steady price increase as the hours increase) is too vague to receive any credit.</p>



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p107	AAAYIP1382 0000760942	3	<p><b>Practice Set 1, Paper 7</b> <b>Score Point 3</b></p> <p>This response receives full credit. It demonstrates a complete understanding of the prompt.</p> <p>The response provides the correct equations for Company A (<math>25x + 150</math>), Company B (<math>50x + 50</math>), and the correct point of intersection (four hours worked and a charge of 250 dollars).</p> <p>The response also provides correct descriptions for the equations (Company A, the slope is 25 because the amount paid increases by 25 for every hour worked... For Company B, the amount paid increases by 50 dollars for every hour worked.) and point of intersection (shows where both companies charge the same price for the same amount of hours worked) as they relate to the situation.</p> <p><b>Note:</b> Expressions are acceptable when given for the equations.</p> <p><b>Note:</b> The point of intersection does not need to be stated as an ordered pair.</p>
p108	AAAYIP1382 0000186913	1	<p><b>Practice Set 1, Paper 8</b> <b>Score Point 1</b></p> <p>This response receives partial credit. It demonstrates a minimal understanding of the prompt.</p> <p>The response provides the correct point of intersection (for 4 hours of work they both charge 250 dollars) and the correct description of the point of intersection (The intersection of both lines shows when both companies will charge the same amount of money for the same amount of hours of work) as it relates to the situation.</p> <p>The equations are incorrect (Company A... <math>y = 25 \times x + 50</math>... Company B... <math>y = 50 \times x + 150</math>), and the interpretation of the equations (by showing how much each company charges for every hour of work) is too vague to receive credit.</p> <p><b>Note:</b> The point of intersection does not need to be stated as an ordered pair.</p>

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<b>p109</b>	<b>AAAYIP1382 0000563123</b>	<b>0</b>	<p><b>Practice Set 1, Paper 9</b> <b>Score Point 0</b></p> <p>This response receives no credit. It is insufficient to demonstrate a grade-appropriate, relevant understanding of the task.</p> <p>The response provides no equations and no description of the equations.</p> <p>The response does not give a point of intersection and the description of the point of intersection (Company A is cheaper if you are needing more than four hours of work done) is incomplete because it does not mention the charge for 4 hours of work.</p>
<b>p110</b>	<b>AAAYIP1382 0000195591</b>	<b>1</b>	<p><b>Practice Set 1, Paper 10</b> <b>Score Point 1</b></p> <p>This response receives partial credit. It demonstrates a minimal understanding of the prompt.</p> <p>The response provides the correct point of intersection [(4,250)] and correct interpretation of the point of intersection (both companies would charge \$250 for 4 hours of service).</p> <p>The equations are incorrect [<math>(\frac{1}{2}x + 150)</math> for company A, and <math>(x + 50)</math> for company B), and the interpretation of the equations (show their rates for their prices per hour) is too vague to receive credit.</p>

**Practice Set #2**  
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p201	AAAYIP1382 0000053644	1	<p><b>Practice Set 2, Paper 1</b>  <b>Score Point 1</b>  This response receives partial credit. It demonstrates a minimal understanding of the prompt.</p> <p>The response provides a correct interpretation of the equations (Company A has a fee of \$150 and the charges \$25 per hour. Company B has a starting fee of \$50 and charges \$50 per hour) but does not give the equations.</p> <p>The response provides a correct interpretation of the point of intersection (For both companies, 4 hours of work will equal \$250) however the point of intersection is not given explicitly.</p>
p202	AAAYIP1382 0000007919	0	<p><b>Practice Set 2, Paper 2</b>  <b>Score Point 0</b>  This response receives no credit. It is insufficient to demonstrate a grade-appropriate, relevant understanding of the task.</p> <p>The response provides a description of the equations (Company A is going to be less for any job taking over 4 hours. Company B is going to be less for any job taking less than 4 hours); however, it is too vague to receive credit.</p>
p203	AAAYIP1382 0000141897	1	<p><b>Practice Set 2, Paper 3</b>  <b>Score Point 1</b>  This response receives partial credit. It demonstrates a minimal understanding of the prompt.</p> <p>The response provides the correct equations for Company A (<math>A</math> is <math>y = 150 + 25x</math>), Company B (<math>y = 50 + 50x</math>), and the correct point of intersection (four hours of work, both companies charge 250 dollars).</p> <p><b>Note:</b> The point of intersection does not need to be stated as an ordered pair.</p> <p>The descriptions for the equations and the point of intersection as they relate to the situation are missing.</p>

Paper	RF Number	Score	Notes
p204	AAAYIP1382 0000016044	0	<p><b>Practice Set 2, Paper 4</b> <b>Score Point 0</b></p> <p>This response receives no credit. It is insufficient to demonstrate a grade-appropriate, relevant understanding of the task.</p> <p>The response provides no equations and only a vague interpretation of the equations (company A's rate is going up at a constant rate... company B... has a massive increase) that is insufficient for credit.</p> <p>The correct point of intersection is given [(4,250)] but the interpretation of the point of intersection is incorrect (shows an average rate of change for their cost and hour basis).</p> <p><b>Note:</b> The correct point of intersection alone is not sufficient for a Score Point 1.</p>
p205	AAAYIP1382 0000166711	3	<p><b>Practice Set 2, Paper 5</b> <b>Score Point 3</b></p> <p>This response receives full credit. It demonstrates a complete understanding of the prompt.</p> <p>The response provides the correct equations for Company A (<math>y = 25x + 150</math>), Company B (<math>y = 50x + 50</math>), and the correct point of intersection, (4,250).</p> <p>The response provides correct descriptions for the equations (if it take more than 4 hours... company A is cheaper. If it takes less than 4 hours... Company B is cheaper) and point of intersection (This is the point where the two companies prices are the same) as they relate to the situation.</p>
p206	AAAYIP1382 0000126464	1	<p><b>Practice Set 2, Paper 6</b> <b>Score Point 1</b></p> <p>This response receives partial credit. It demonstrates a minimal understanding of the prompt.</p> <p>The response provides the correct equations for Company A (<math>y = 25x + 150</math>), Company B (<math>y = 50x + 50</math>), and the correct point of intersection, (4, 250).</p> <p>However, the descriptions of the equations (help you determine how much you will spend between two different services) and the point of intersection (the lines intersect but company a's has a lower rate of change) are too vague to receive credit.</p>

Paper	RF Number	Score	Notes
p207	AAAYIP1382 000061522	2	<p><b>Practice Set 2, Paper 7</b> <b>Score Point 2</b></p> <p>This response receives partial credit. It demonstrates a partial understanding of the prompt.</p> <p>The response provides the correct equations for Company A (<math>y = 25x + 150</math>), and Company B (<math>y = 50x + 50</math>).</p> <p>The response provides the correct point of intersection [(4, \$250)] and correct interpretation of the point of intersection (meaning that at 4 hours of work each company pays the same amount).</p> <p>The description of the equations is vague (by graphing how much you'll get paid per hour at each company). It is too vague to receive credit.</p>
p208	AAAYIP1382 0000632149	3	<p><b>Practice Set 2, Paper 8</b> <b>Score Point 3</b></p> <p>This response receives full credit. It demonstrates a complete understanding of the prompt.</p> <p>The response provides the correct equations for Company A (<math>25x + 150</math>), Company B (<math>50x + 50</math>), and the correct point of intersection, (4, 250).</p> <p>The response provides correct descriptions for the equations (company A charges less per hour but has a higher initial payment while company B has a lower initial payment but a higher cost per hour) and point of intersection (which means that the companies will both charge 250 dollars for 4 hours of work) as they relate to the situation.</p> <p><b>Note:</b> Expressions are acceptable when given for the equations.</p>
p209	AAAYIP1382 000044740	1	<p><b>Practice Set 2, Paper 9</b> <b>Score Point 1</b></p> <p>This response receives partial credit. It demonstrates a minimal understanding of the prompt.</p> <p>The response provides the correct point of intersection [(4, 250)] and interpretation of the point of intersection (250 would be charged for 4 hours in both company A and B).</p> <p>However, the response provides incorrect equations (<math>200 + 2x</math> and <math>200 + 3x</math>) and the interpretation of the equations (they show how much is charged per hour) is too vague to receive credit.</p>

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p210	AAAYIP1382 0000035729	0	<p><b>Practice Set 2, Paper 10</b> <b>Score Point 0</b></p> <p>This response receives no credit. It is insufficient to demonstrate a grade-appropriate, relevant understanding of the task.</p> <p>The response does not provide equations and gives only a vague description of the equations (each company's price per hour rate) which is insufficient for credit.</p> <p>The response does not provide the point of intersection but does give a correct description of the point of intersection (when both companies charge the same amount of money for the same work hours) which, by itself, is insufficient for credit.</p> <p><b>Note:</b> The correct interpretation of the point of intersection alone is not sufficient for a Score Point 1.</p>

**Qualification Set #1**  
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<b>Paper</b>	<b>RF Number</b>	<b>Score</b>	<b>Notes</b>
<b>q101</b>	<b>AAAYIP1382 0000149608</b>	<b>3</b>	<b>Qualification Set 1, Paper 1 Score Point 3</b>
<b>q102</b>	<b>AAAYIP1382 0000163831</b>	<b>1</b>	<b>Qualification Set 1, Paper 2 Score Point 1</b>
<b>q103</b>	<b>AAAYIP1382 0000170927</b>	<b>0</b>	<b>Qualification Set 1, Paper 3 Score Point 0</b>
<b>q104</b>	<b>AAAYIP1382 0000149227</b>	<b>1</b>	<b>Qualification Set 1, Paper 4 Score Point 1</b>
<b>q105</b>	<b>AAAYIP1382 0000040196</b>	<b>2</b>	<b>Qualification Set 1, Paper 5 Score Point 2</b>
<b>q106</b>	<b>AAAYIP1382 0000168108</b>	<b>2</b>	<b>Qualification Set 1, Paper 6 Score Point 2</b>
<b>q107</b>	<b>AAAYIP1382 0000207267</b>	<b>3</b>	<b>Qualification Set 1, Paper 7 Score Point 3</b>
<b>q108</b>	<b>AAAYIP1382 0000130551</b>	<b>1</b>	<b>Qualification Set 1, Paper 8 Score Point 1</b>
<b>q109</b>	<b>AAAYIP1382 0000179827</b>	<b>0</b>	<b>Qualification Set 1, Paper 9 Score Point 0</b>
<b>q110</b>	<b>AAAYIP1382 0000015142</b>	<b>1</b>	<b>Qualification Set 1, Paper 10 Score Point 1</b>

**Qualification Set #2**  
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<b>Paper</b>	<b>RF Number</b>	<b>Score</b>	<b>Notes</b>
q201	AAAYIP1382 0000178287	0	Qualification Set 2, Paper 1 Score Point 0
q202	AAAYIP1382 0000211605	3	Qualification Set 2, Paper 2 Score Point 3
q203	AAAYIP1382 0000031617	0	Qualification Set 2, Paper 3 Score Point 0
q204	AAAYIP1382 0000111836	2	Qualification Set 2, Paper 4 Score Point 2
q205	AAAYIP1382 0000126550	1	Qualification Set 2, Paper 5 Score Point 1
q206	AAAYIP1382 0000175756	0	Qualification Set 2, Paper 6 Score Point 0
q207	AAAYIP1382 0000102190	1	Qualification Set 2, Paper 7 Score Point 1
q208	AAAYIP1382 0000036244	3	Qualification Set 2, Paper 8 Score Point 3
q209	AAAYIP1382 0000228660	2	Qualification Set 2, Paper 9 Score Point 2
q210	AAAYIP1382 0000175551	0	Qualification Set 2, Paper 10 Score Point 0