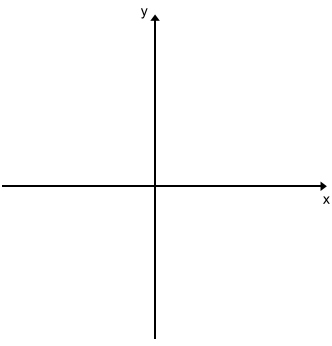
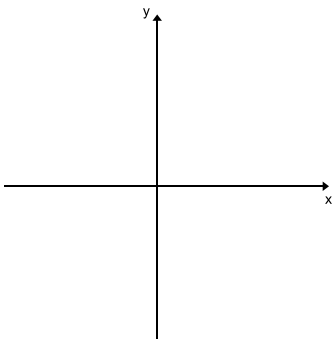
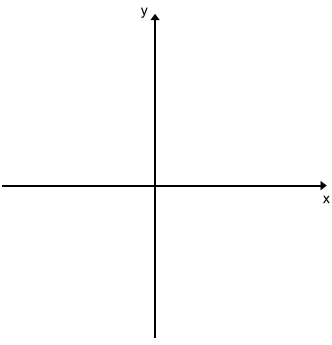
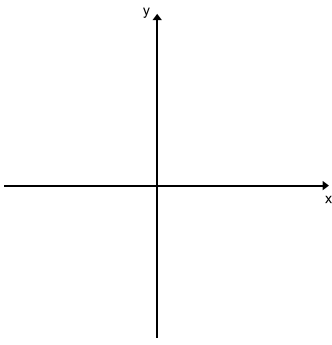
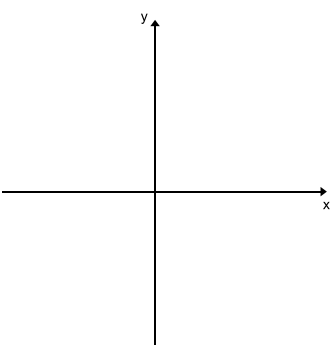
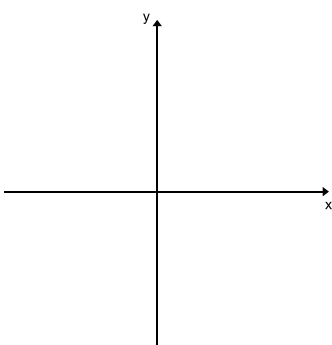
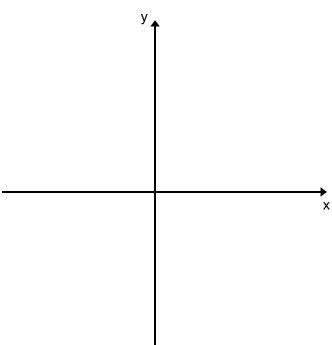
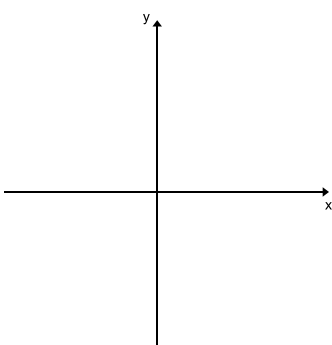


Paper and Pencil Sketching of Lines

 <p>Graph 1 $2x + 4y = 8$</p> <p>Label x intercept and y intercept</p>	 <p>Graph 2 $y = \frac{2}{3}x - 6$</p> <p>Label y intercept and at least one additional point</p>
 <p>Graph 3 $y = \frac{-3}{2}(x - 6) + 4$</p> <p>Label implied point and at least one additional point</p>	 <p>Graph 4 $x = -3$ $y = 4$</p> <p>Label any intercepts and the point of intersection of the system</p>

Paper and Pencil Sketching of Lines

 <p>Graph 1 $3x + 6y = 12$</p> <p>Label x intercept and y intercept</p>	 <p>Graph 2 $y = \frac{3}{4}x - 12$</p> <p>Label y intercept and at least one additional point</p>
 <p>Graph 3 $y = \frac{-5}{2}(x - 8) + 4$</p> <p>Label implied point and at least one additional point</p>	 <p>Graph 4 $x = 4$ $y = -5$</p> <p>Label any intercepts and the point of intersection of the system</p>

Use the Graphing Calculator to check each sketch.

Remember Analyze Graph and Ctrl T will help you a lot in this class!

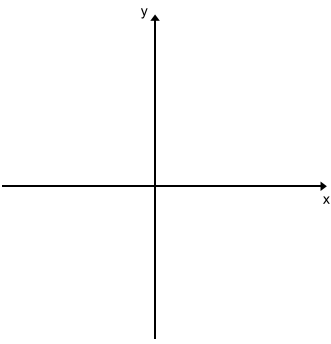
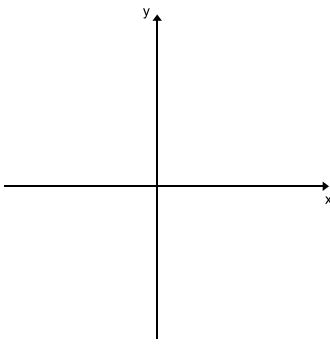
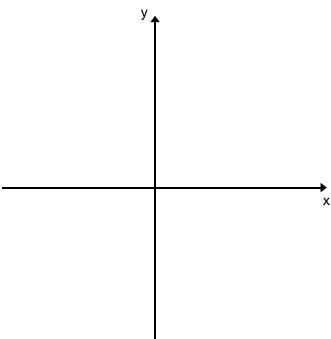
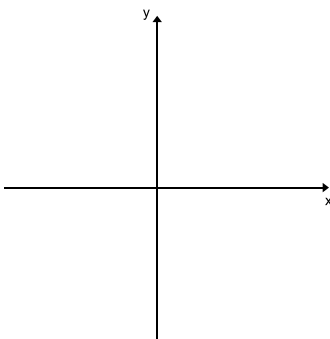
1. Circle all the graphs you got correct Graph 1 Graph 2 Graph 3 Graph 4
2. If you made any errors in graphing, briefly explain your errors.
3. Do you feel confident that you would NOT make any errors with paper and pencil sketching of graphs of lines in the future?

Use the Graphing Calculator to check each sketch.

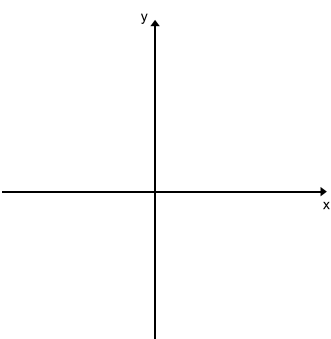
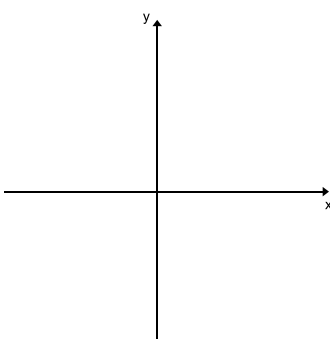
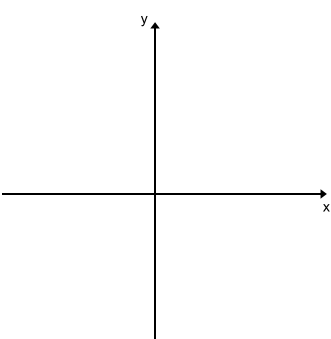
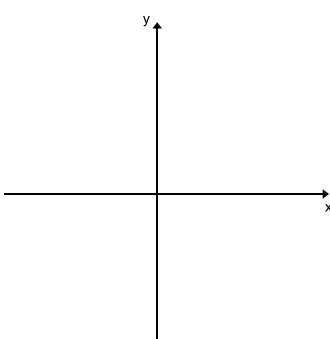
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Paper and Pencil Sketching of Lines

 <p>Graph 1 $5x + 4y = 20$</p> <p>Label x intercept and y intercept</p>	 <p>Graph 2 $y = \frac{5}{6}x - 30$</p> <p>Label y intercept and at least one additional point</p>
 <p>Graph 3 $y = \frac{-5}{8}(x - 8) + 6$</p> <p>Label implied point and at least one additional point</p>	 <p>Graph 4 $x = -7$ $y = 8$</p> <p>Label any intercepts and the point of intersection of the system</p>

Paper and Pencil Sketching of Lines

 <p>Graph 1 $8x + 6y = 48$</p> <p>Label x intercept and y intercept</p>	 <p>Graph 2 $y = \frac{9}{4}x - 36$</p> <p>Label y intercept and at least one additional point</p>
 <p>Graph 3 $y = \frac{-5}{7}(x - 14) + 2$</p> <p>Label implied point and at least one additional point</p>	 <p>Graph 4 $x = -6$ $y = 3$</p> <p>Label any intercepts and the point of intersection of the system</p>

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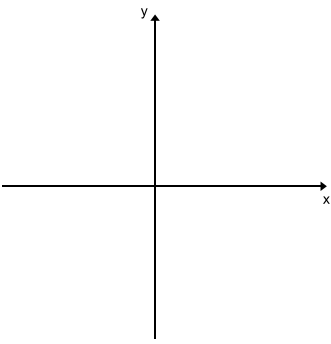
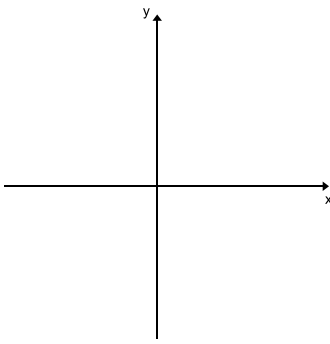
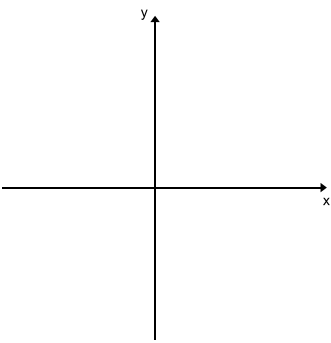
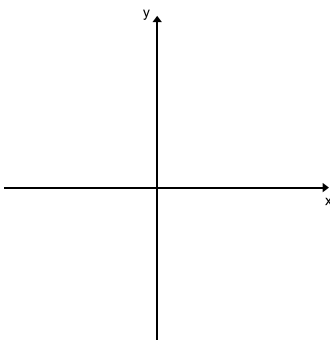
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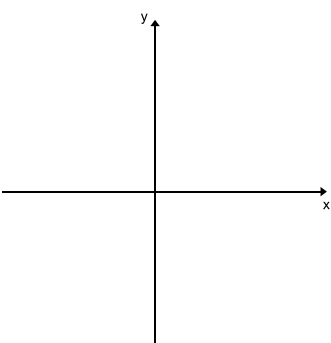
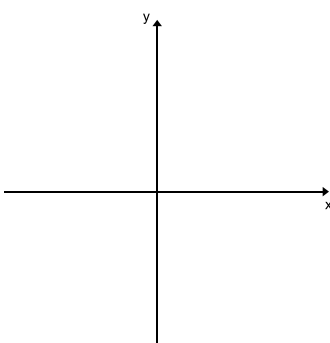
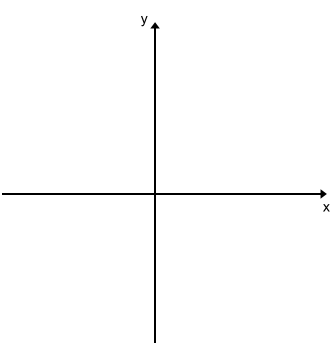
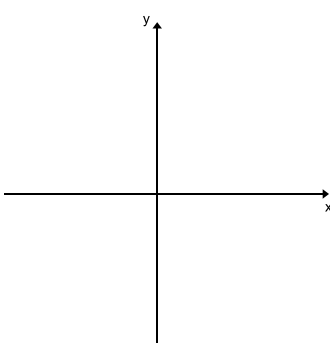
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Paper and Pencil Sketching of Lines

 <p>Graph 1 $7x + 8y = 56$</p> <p>Label x intercept and y intercept</p>	 <p>Graph 2 $y = \frac{9}{5}x - 45$</p> <p>Label y intercept and at least one additional point</p>
 <p>Graph 3 $y = \frac{-11}{9}(x - 9) + 4$</p> <p>Label implied point and at least one additional point</p>	 <p>Graph 4 $x = 6$ $y = -13$</p> <p>Label any intercepts and the point of intersection of the system</p>

Paper and Pencil Sketching of Lines

 <p>Graph 1 $5x + 7y = 35$</p> <p>Label x intercept and y intercept</p>	 <p>Graph 2 $y = \frac{10}{3}x - 30$</p> <p>Label y intercept and at least one additional point</p>
 <p>Graph 3 $y = \frac{-13}{4}(x - 8) + 1$</p> <p>Label implied point and at least one additional point</p>	 <p>Graph 4 $x = 9$ $y = -14$</p> <p>Label any intercepts and the point of intersection of the system</p>

Use the Graphing Calculator to check each sketch.

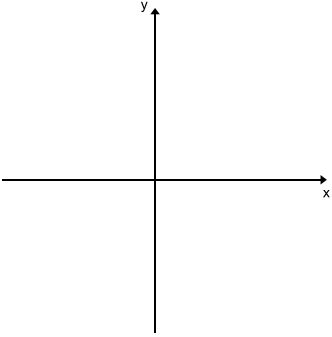
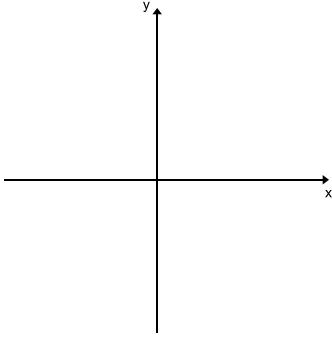
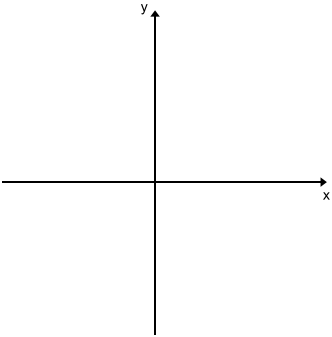
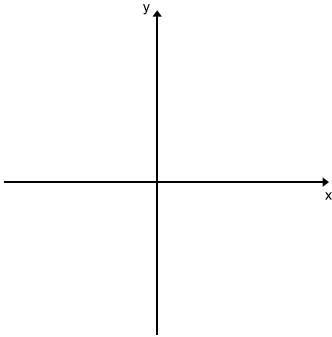
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 <p>Graph 1 $3x + 10y = -30$</p> <p>Label x intercept and y intercept</p>	 <p>Graph 2 $y = \frac{8}{11}x - 88$</p> <p>Label y intercept and at least one additional point</p>
 <p>Graph 3 $y = \frac{-3}{13}(x - 26) + 2$</p> <p>Label implied point and at least one additional point</p>	 <p>Graph 4 $x = -33$ $y = 44$</p> <p>Label any intercepts and the point of intersection of the system</p>

1. Which of the lines above is called a vertical line?

State the vertical line's equation _____ and give its only intercept as a point _____

Use the variable n and a number to give the set of all points that lie on this line. _____

2. Which of the graphs above is called (modified) point slope form of the line? Graph 1 Graph 2 Graph 3 Graph 4

3. Which of the graphs above is called standard form of the line? Graph 1 Graph 2 Graph 3 Graph 4

4. Which of the graphs above is called slope intercept form of the line? Graph 1 Graph 2 Graph 3 Graph 4

5. Which of the lines above is called a horizontal line?

State the horizontal line's equation _____ and give its only intercept as a point _____

Use the variable p and a number to give the set of all points that lie on this line. _____

6. Rewrite the point slope line in slope intercept form _____

7. Rewrite the standard form line in slope intercept form _____