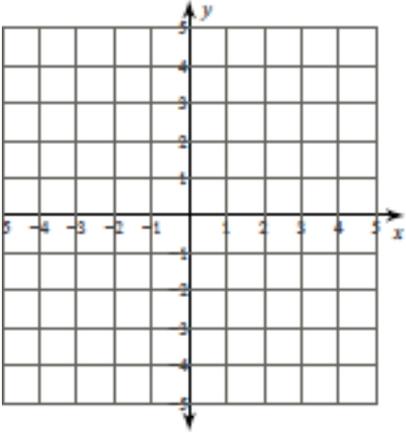
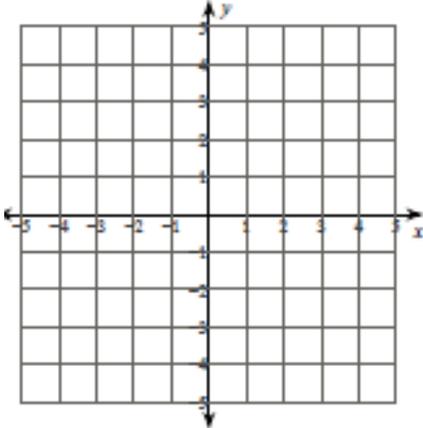
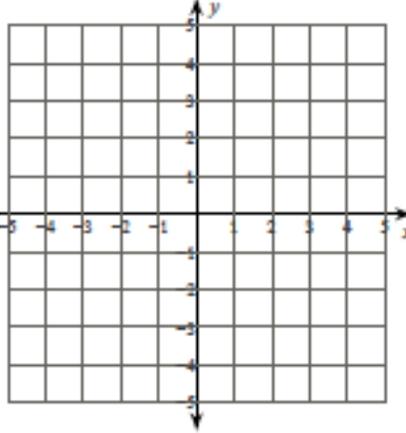
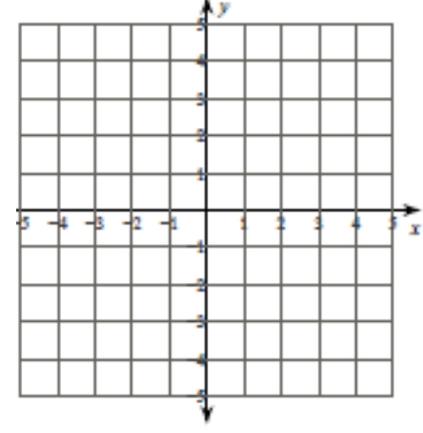


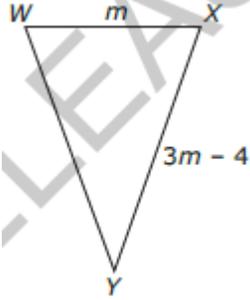
Solve each system by substitution.

1) $y = 2x + 9$ $y = 3x + 12$	2) $y = 2x - 3$ $y = -4x + 9$	3) $y = -2x + 6$ $y = 2x + 2$
4) $y = -1$ $y = x + 2$	5) $y = -3x + 5$ $2x + 2y = -2$	6) $y = -3x - 3$ $4x + 4y = -12$

Solve each system by graphing.

7) $y = \frac{1}{3}x - 4$ $y = -\frac{7}{3}x + 4$ 	8) $y = \frac{1}{3}x + 3$ $y = 2x - 2$ 
9) $y = -7x - 3$ $y = 4$ 	10) $y = -\frac{2}{3}x - 2$ $y = -\frac{8}{3}x + 4$ 

EOG Review – Gridded Response Questions

<p>11) What is the value of <math>0.\overline{36} \cdot \frac{11}{2}</math>?</p>	<p>12) What is the sum of all the integers between <math>\sqrt{19}</math> and <math>\sqrt{77}</math>?</p>								
<p>13) On a number line, let point <math>P</math> represent the largest integer value that is less than <math>\sqrt{407}</math>. Let point <math>Q</math> represent the largest integer value that is less than <math>\sqrt{68}</math>. What is the distance between <math>P</math> and <math>Q</math>?</p>	<p>14) What is the value of <math>\frac{4^3 \cdot 4^{-1} \cdot 5^{-2}}{4^4 \cdot 5^{-3} \cdot 5^0}</math>?</p>								
<p>15) When 8 is added to the number that is produced by doubling the number <math>x</math>, the result is equal to 8 times the number that is 5 less than <math>x</math>. What is the value of <math>x</math>?</p>	<p>16) In <math>\triangle WXY</math>, <math>\overline{WY}</math> is congruent to <math>\overline{XY}</math>. The perimeter of <math>\triangle WXY</math> is 76 inches.</p>  <p>How many inches long is <math>\overline{WX}</math>?</p>								
<p>17) Kyle is a salesman. His monthly earnings include a fixed monthly salary and a commission that is a fixed percentage of his total sales for the month.</p> <ul style="list-style-type: none"> <li>- Kyle's total sales for the month of January were \$15,000, and his total earnings for that month were \$2,550.</li> <li>- Kyle's total sales for the month of February were \$25,000, and his total earnings for that month were \$3,050.</li> </ul> <p>What is Kyle's fixed monthly salary in dollars?</p>	<p>18) In the table below, <math>y</math> is a linear function of <math>x</math>.</p> <table border="1" data-bbox="1091 940 1263 1117"> <thead> <tr> <th><math>x</math></th> <th><math>y</math></th> </tr> </thead> <tbody> <tr> <td>3</td> <td>5</td> </tr> <tr> <td>5</td> <td>-3</td> </tr> <tr> <td>7</td> <td>-11</td> </tr> </tbody> </table> <p>What is the value of <math>y</math> when <math>x = 0</math>?</p>	$x$	$y$	3	5	5	-3	7	-11
$x$	$y$								
3	5								
5	-3								
7	-11								
<p>19) Beginning in 2000, a sports team increased its ticket price by a constant amount each year until 2010.</p> <ul style="list-style-type: none"> <li>- A ticket cost \$48 in 2005.</li> <li>- A ticket cost \$55.50 in 2008.</li> </ul> <p>How much did a ticket cost in 2000? Express your answer as dollars.cents.</p>									