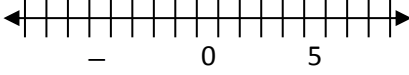
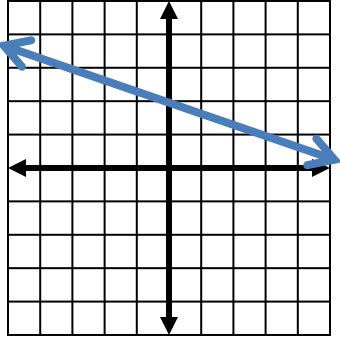
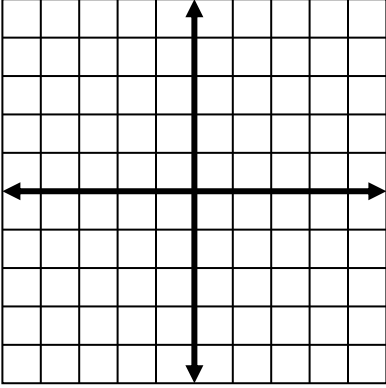
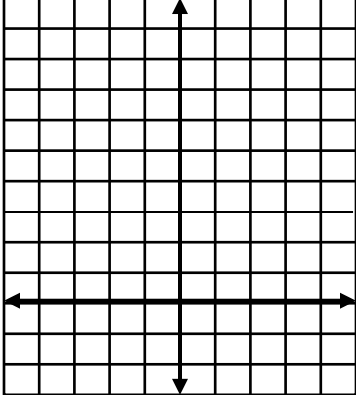


<p>1. Simplify completely:  <math>(7x^5y^{-4})^2</math></p>	<p>2. Solve the system of equations for y.</p> $\begin{cases} 5x - 3y = 31 \\ 4x + 2y = 16 \end{cases}$	<p>3. Simplify completely:  <math>\sqrt{40} \cdot \sqrt{80}</math></p>
<p>4. Solve for x: <math> 5x + 1  = 14</math></p> <p>Answer: _____</p>	<p>5. Solve for t: <math>3 t - 2  &lt; 12</math></p>  <p>Answer: _____</p>	<p>6. Solve  <math>4x - (3x - 1) - 3(x + 7) = 40</math></p>
<p>7. Solve for x: <math>-8(x + 2) &gt; (4)^3</math></p>	<p>8. Solve: <math>3r - (7r + 2) = 12</math></p>	<p>9. A food truck rents for \$375 a day plus \$0.15 per item sold. How many items were sold if the bill for the food truck was \$690.60?</p>

<p>10. At a little league game, hot dogs cost \$1.75 and sodas cost \$0.50. Suppose a parent has 7 kids and buys them each a soda. What is the greatest number of hot dogs the parent can buy and still pay less than \$12?<b>(Use space in the a margin above for work)</b></p>	<p>11. What is the x-intercept of the line <math>4x + 2y = 8</math> ?</p>	<p>12. Write the equation of the line graphed below.</p> 
<p>13. Draw a graph that is <b>NOT</b> a function.</p> 	<p>14. Does the point <math>(-12, -46)</math> lie on the line defined by the equation <math>2x - 3y = 117</math> ?</p>	<p>15. What is the equation for the line with slope <math>-1</math>, passing through the point <math>(7, 2)</math>?</p>
<p>16. Graph <math>y = 3^x</math></p>  <p>What is the domain? Range?</p>	<p>17. Write the equation of a line that is perpendicular to <math>y = \frac{3}{2}x + 2</math> through the point <math>(-6, 12)</math>.</p>	<p>18. The equation of the line <math>l</math> is <math>4x - 5y = 3</math>. Write an equation of a line that is:</p> <p>a) parallel to line <math>l</math></p> <p>b) perpendicular to line <math>l</math></p>

Domain: \_\_\_\_\_

Range: \_\_\_\_\_