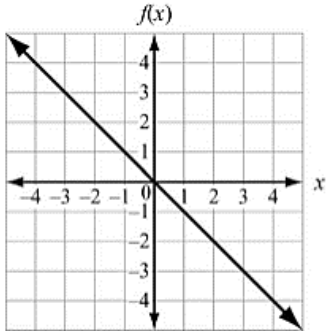
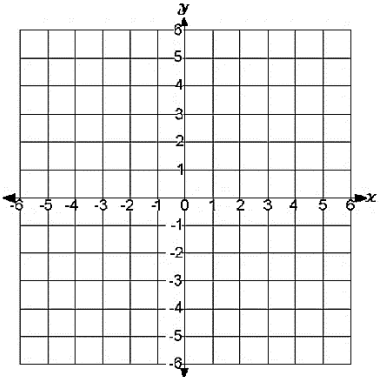
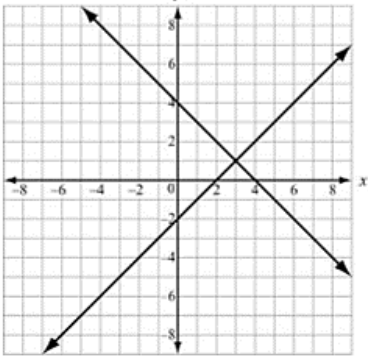


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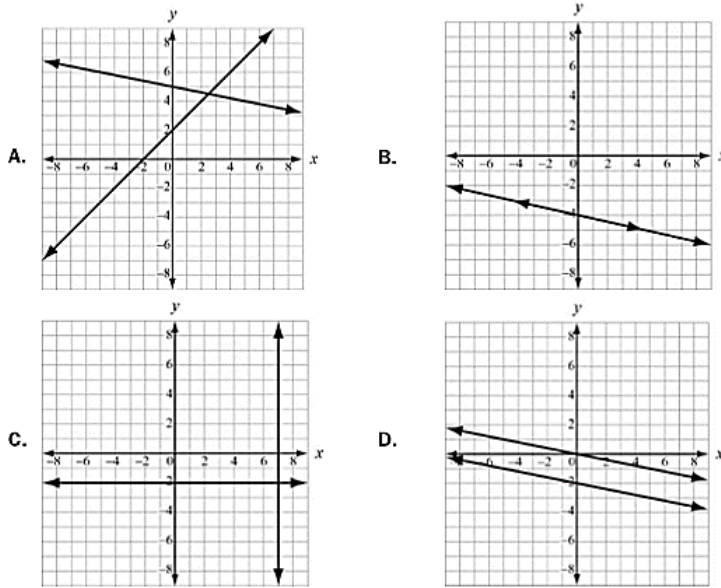
<p>1. Karla wants to save up for a prom dress. She figures she can save \$9 each week from the money she earns babysitting. If she plans to spend less than \$150 for the dress, how many weeks will it take her to save enough money to buy any dress in her price range</p>	<p>2. Two cars start at the same point and travel in opposite directions. The first car travels 15 miles per hour faster than the second car. In 4 hours, the cars are 300 miles apart. Use the formula below to determine the rate of the second car</p> $4(r + 15) + 4r = 300$	<p>3. Solve the equation <math>14 = ax + 6</math> for <math>x</math>. Show and justify your steps.</p>
<p>4. Solve this system of equations.</p> $y = 2x - 4$ $x = y + 1$	<p>5. Solve this system of equations.</p> $2x - y = 1$ $5 - 3x = 2y$	<p>6. Solve this system of equation.</p> $3x - 2y = 7$ $2x - 3y = 3$
<p>7. Is <math>(3, -1)</math> a solution of this system?</p> $y = 2 - x$ $3 - 2y = 2x$	<p>8. Solve this system of equations.</p> $x - 3y = 6$ $-x + 3y = -6$	<p>9. Solve this system</p> $-3 - y = 10$ $3x + y = -8$
<p>10. Consider the graph of <math>f(x) = -x</math>. It appears to be an unbroken line and slanted downward.</p> 	<p>Domain:</p> <p>Range:</p> <p>x-intercept:</p> <p>y-intercept:</p> <p>Increasing:</p> <p>Decreasing:</p> <p>Rate of change:</p> <p>End behavior:</p>	<p>11. Graph the inequality <math>x + 2y &lt; 4</math>.</p> 

	Answers
<p>1. This equation can be used to find <math>h</math>, the number of hours it will take Flo and Bryan to mow their lawn.</p> $\frac{h}{3} + \frac{h}{6} = 1$ <p>How many hours will it take them to mow their lawn?</p> <p>A . 6 hours B . 3 hours C . 2 hours D . 1 hour</p>	1. _____
<p>2. For what values of <math>x</math> is the inequality <math>\frac{2}{3} + \frac{x}{3} &gt; 1</math> true?</p> <p>A . <math>x &lt; 1</math> B . <math>x &gt; 1</math> C . <math>x &lt; 5</math> D . <math>x &gt; 5</math></p>	2. _____
<p>3. Look at the steps used when solving <math>3(x - 2) = 3</math> for <math>x</math>.</p> <p>Which step is the result of combining like terms?</p> <p>A . Step 1 B . Step 2 C . Step 3 D . Step 4</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <math display="block">3(x - 2) = 3</math> <math display="block">3x - 6 = 3</math> <math display="block">3x - 6 + 6 = 3 + 6</math> <math display="block">3x = 9</math> <math display="block">\frac{3x}{3} = \frac{9}{3}</math> <math display="block">x = 3</math> </div> <div style="text-align: center;"> <p>Write the original equation.</p> <p>Use the Distributive Property.</p> <p>Step 1</p> <p>Step 2</p> <p>Step 3</p> <p>Step 4</p> </div> </div>	3. _____
<p>4. Two lines are graphed on this coordinate plane .</p> <p>Which point appears to be a solution of the equations of both lines?</p> <p>A . <math>(0, -2)</math> B . <math>(0, 4)</math> C . <math>(2, 0)</math> D . <math>(3, 1)</math></p> <div style="text-align: right;">  </div>	4. _____
<p>5. Which ordered pair is a solution of <math>3y + 2 = 2x - 5</math> ?</p> <p>A . <math>(-5, 2)</math> B . <math>(0, -5)</math> C . <math>(5, 1)</math> D . <math>(7, 5)</math></p>	5. _____

	Answers																												
<p>6. Based on the tables, at what point do the lines <math>y = -x + 5</math> and <math>y = 2x - 1</math> intersect?</p> <p>A . (1, 1)            B . (3, 5)            C . (2, 3)            D . (3, 2)</p> <table border="1" data-bbox="521 237 716 478"> <thead> <tr> <th colspan="2"><math>y = -x + 5</math></th> </tr> <tr> <th>x</th> <th>y</th> </tr> </thead> <tbody> <tr><td>-1</td><td>6</td></tr> <tr><td>0</td><td>5</td></tr> <tr><td>1</td><td>4</td></tr> <tr><td>2</td><td>3</td></tr> <tr><td>3</td><td>2</td></tr> </tbody> </table> <table border="1" data-bbox="737 237 899 478"> <thead> <tr> <th colspan="2"><math>y = 2x - 1</math></th> </tr> <tr> <th>x</th> <th>y</th> </tr> </thead> <tbody> <tr><td>-1</td><td>-3</td></tr> <tr><td>0</td><td>-1</td></tr> <tr><td>1</td><td>1</td></tr> <tr><td>2</td><td>3</td></tr> <tr><td>3</td><td>5</td></tr> </tbody> </table>	$y = -x + 5$		x	y	-1	6	0	5	1	4	2	3	3	2	$y = 2x - 1$		x	y	-1	-3	0	-1	1	1	2	3	3	5	<p>6. _____</p>
$y = -x + 5$																													
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1	1																												
2	3																												
3	5																												
<p>7. A manager is comparing the cost of buying baseball caps from two different companies .</p> <ul style="list-style-type: none"> <li>• Company X charges a \$50 fee plus \$7 per baseball cap .</li> <li>• Company Y charges a \$30 fee plus \$9 per baseball cap .</li> </ul> <p>For what number of baseball caps will the cost be the same at both companies?</p> <p>A . 10            B . 20            C . 40            D . 100</p>	<p>7. _____</p>																												
<p>8. A shop sells one-pound bags of peanuts for \$2 and three-pound bags of peanuts for \$5 . If 9 bags are purchased for a total cost of \$36, how many three-pound bags were purchased?</p> <p>A . 3            B . 6            C . 9            D . 18</p>	<p>8. _____</p>																												
<p>9. A wild horse runs at a rate of 8 miles an hour for 6 hours . Let <math>y</math> be the distance, in miles, the horse travels for a given amount of time, <math>x</math>, in hours . This situation can be modeled by a function . Which of these describes the domain of the function?</p> <p>A . <math>0 \leq x \leq 6</math>            B . <math>0 \leq y \leq 6</math>            C . <math>0 \leq x \leq 48</math>            D . <math>0 \leq y \leq 48</math></p>	<p>9. _____</p>																												
<p>10. If <math>f(12) = 4(12) - 20</math>, which function gives <math>f(x)</math>?</p> <p>A . <math>f(x) = 4x</math>            B . <math>f(x) = 12x</math>            C . <math>f(x) = 4x - 20</math>            D . <math>f(x) = 12x - 20</math></p>	<p>10. _____</p>																												

Answers

11. Which graph represents a system of linear equations that has multiple common coordinate pairs?



11. \_\_\_\_\_

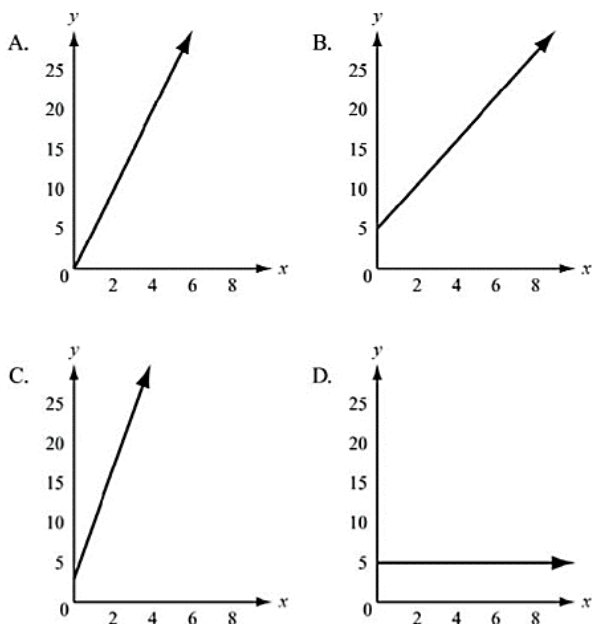
12. Which function is modeled in this table?

- A.  $f(x) = x + 7$
- B.  $f(x) = x + 9$
- C.  $f(x) = 2x + 5$
- D.  $f(x) = 3x + 5$

x	f(x)
1	8
2	11
3	14
4	17

12. \_\_\_\_\_

13. To rent a canoe, the cost is \$3 for the oars and life preserver, plus \$5 an hour for the canoe. Which graph models the cost of renting a canoe?



13. \_\_\_\_\_