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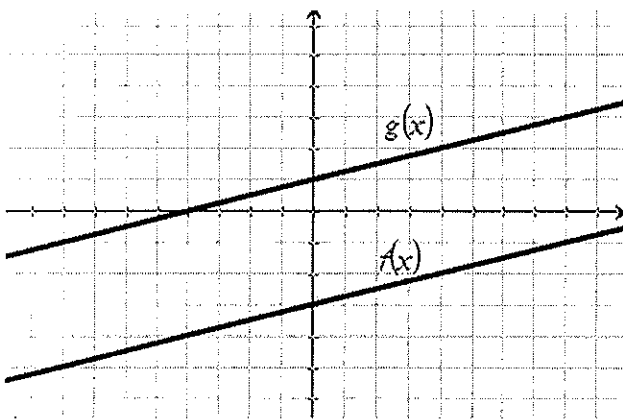
Match the WTS with each type of quadrilateral.

<u>b</u> Parallelogram	a. All sides are congruent
<u>a</u> Rhombus	b. Opposite sides are parallel
<u>d</u> Rectangle	c. All sides are congruent and all adjacent sides are perpendicular
<u>c</u> Square	d. All adjacent sides are perpendicular

You are given information about  $f(x)$  and  $g(x)$ . Fill in the blanks with the appropriate forms.

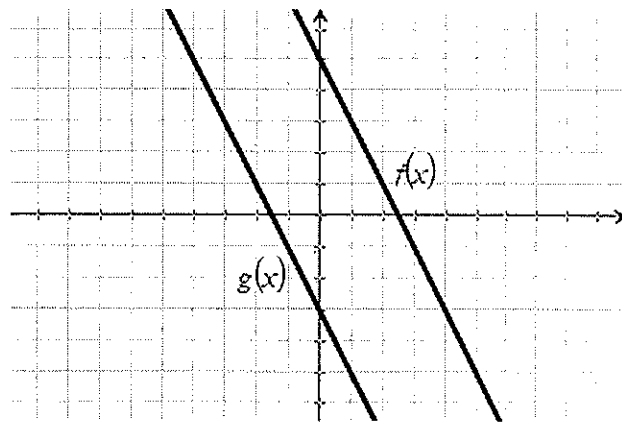
<p>4. <math>f(x) = 7x + 13</math> <math>g(x) = 7x - 5</math></p> <p><math>f(x) = g(x) + 18</math> Translation form</p>	<p>5. <math>f(x) = 22x - 12</math> <math>g(x) = 22x + 21</math></p> <p><math>g(x) = f(x) + 33</math> Translation form</p>	<p>6. <math>f(x) = -15x - 8</math> <math>g(x) = -15x - 11</math></p> <p><math>g(x) = f(x) - 3</math> Translation form</p>																																													
<p>7.</p> <table border="1"> <thead> <tr> <th>x</th> <th>f(x)</th> <th>g(x)</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>21</td> <td>26</td> </tr> <tr> <td>10</td> <td>56</td> <td>61</td> </tr> <tr> <td>25</td> <td>131</td> <td>136</td> </tr> <tr> <td>40</td> <td>206</td> <td>211</td> </tr> </tbody> </table> <p><math>g(x) = f(x) + 5</math> Translation form</p>	x	f(x)	g(x)	3	21	26	10	56	61	25	131	136	40	206	211	<p>8.</p> <table border="1"> <thead> <tr> <th>x</th> <th>f(x)</th> <th>g(x)</th> </tr> </thead> <tbody> <tr> <td>-4</td> <td>5</td> <td>10</td> </tr> <tr> <td>-1</td> <td>-1</td> <td>4</td> </tr> <tr> <td>5</td> <td>-13</td> <td>-8</td> </tr> <tr> <td>20</td> <td>-43</td> <td>-38</td> </tr> </tbody> </table> <p><math>f(x) = g(x) - 5</math> Translation form</p>	x	f(x)	g(x)	-4	5	10	-1	-1	4	5	-13	-8	20	-43	-38	<p>9.</p> <table border="1"> <thead> <tr> <th>x</th> <th>f(x)</th> <th>g(x)</th> </tr> </thead> <tbody> <tr> <td>-10</td> <td>3</td> <td>0</td> </tr> <tr> <td>-3</td> <td>9</td> <td>6</td> </tr> <tr> <td>22</td> <td>22</td> <td>19</td> </tr> <tr> <td>41</td> <td>18</td> <td>15</td> </tr> </tbody> </table> <p><math>g(x) = f(x) - 3</math> Translation form</p>	x	f(x)	g(x)	-10	3	0	-3	9	6	22	22	19	41	18	15
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12.  $f(x) = \frac{1}{4}x - 3$



- a.  $g(x) = f(x) + 4$   
Translation form
- b.  $f(x) = g(x) - 4$   
Translation form

13.  $f(x) = -2x + 5$



- a.  $g(x) = f(x) - 8$   
Translation form
- b.  $f(x) = g(x) + 8$   
Translation form

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<i>Favorite TV Networks</i>	<i>Girls</i>	<i>Boys</i>	<i>Totals</i>
Animal Planet	6	19	25
Cartoon Network	10	15	25
Disney	22	16	38
Nickelodeon	36	12	48
<i>Totals</i>	<b>74</b>	<b>62</b>	<b>136</b>

Make a relative frequency by row table using the values above.

<i>Favorite TV Networks</i>	<i>Girls</i>	<i>Boys</i>	<i>Totals</i>
Animal Planet	24%	76%	100%
Cartoon Network	40%	60%	100%
Disney	58%	42%	100%
Nickelodeon	75%	25%	100%
<i>Totals</i>	54%	46%	100%

Make a relative frequency table using the values above.

<i>Favorite TV Networks</i>	<i>Girls</i>	<i>Boys</i>	<i>Totals</i>
Animal Planet	4%	14%	18%
Cartoon Network	7%	11%	18%
Disney	16%	12%	28%
Nickelodeon	26%	9%	35%
<i>Totals</i>	54%	46%	100%

Please state whether each conditional observation is true or false.

F 76% of boys prefer watching the Animal Planet.

F About 9% of boys prefer watching Nickelodeon.

T About 54% of those surveyed were girls.

T About 7% of those surveyed are girls who like Cartoon Network.

T/F About 30% of those surveyed prefer watching Disney.

skip

For each set of data determine the 5-number summary and create a box plot.

10. {20, 23, 24, 24, 25, 25, 25, 29, 30}

11. {10, 20, 24, 24, 25, 25, 29, 33, 35}

Min: 20	Min: 10
Q1: 23.5	Q1: 22
Median: 25	Median: 25
Q3: 27	Q3: 31
Max: 30	Max: 35

Determine which correlation coefficient matches best with each graph.

<del><math>r = 1.0</math></del>	<del><math>r = 0.8</math></del>	<del><math>r = 0.24</math></del>	<del><math>r = 0</math></del>
<del><math>r = -0.10</math></del>	<del><math>r = -0.3</math></del>	<del><math>r = -0.974</math></del>	<del><math>r = 1.0</math></del>

