

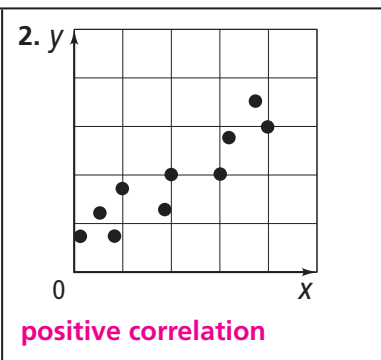
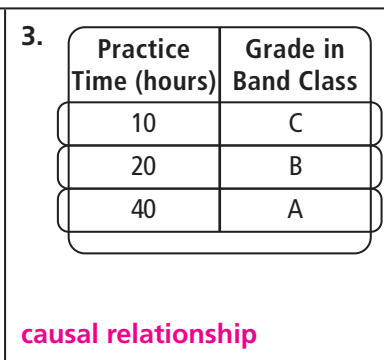
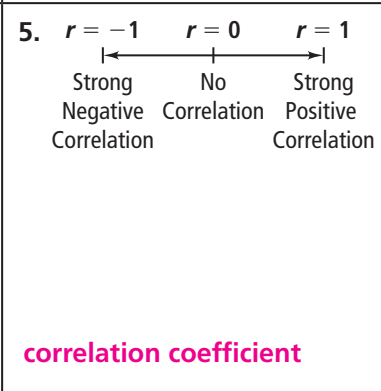
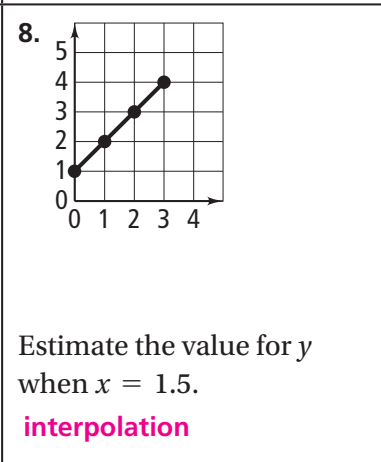
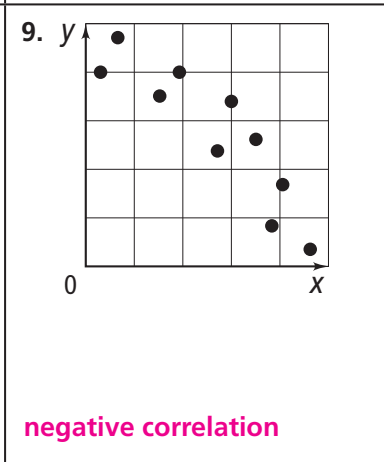
5-7 Additional Vocabulary Support

Scatter Plots and Trend Lines

Concept List

causal relationship	correlation coefficient	extrapolation
interpolation	line of best fit	negative correlation
no correlation	positive correlation	trend line

Choose the concept from the list above that best represents the item in each box.

<p>1. LinReg ($ax + b$)</p>  <p>line of best fit</p>	<p>2. y</p>  <p>positive correlation</p>	<p>3.</p> <table border="1"> <thead> <tr> <th>Practice Time (hours)</th> <th>Grade in Band Class</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>C</td> </tr> <tr> <td>20</td> <td>B</td> </tr> <tr> <td>40</td> <td>A</td> </tr> </tbody> </table> <p>causal relationship</p>	Practice Time (hours)	Grade in Band Class	10	C	20	B	40	A
Practice Time (hours)	Grade in Band Class									
10	C									
20	B									
40	A									
<p>4. y</p>  <p>trend line</p>	<p>5. $r = -1$ $r = 0$ $r = 1$</p> <p>← Strong Negative Correlation No Correlation Strong Positive Correlation →</p> <p>correlation coefficient</p>	<p>6. y</p> <p>no correlation</p>								
<p>7.</p>  <p>Estimate the value for y when $x = 3.5$.</p> <p>extrapolation</p>	<p>8.</p>  <p>Estimate the value for y when $x = 1.5$.</p> <p>interpolation</p>	<p>9. y</p> <p>negative correlation</p>								