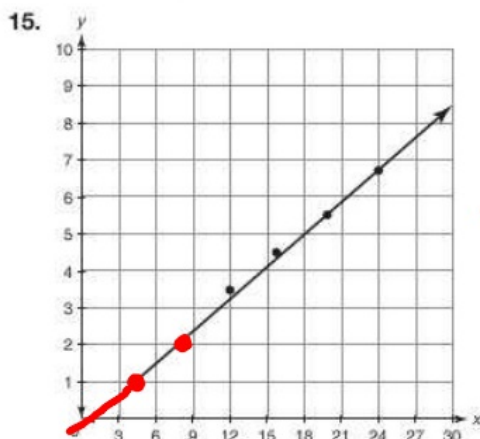


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Estimate the equation of the line of best fit for each scatter plot shown.



$(4, 1) (8, 2)$

$$\frac{2-1}{8-4} = \frac{1}{4} = 0.25$$

$$y = mx + b$$

$$1 = .25(4) + b$$

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Answers will vary but should be close to the following equation.

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

$$= \frac{5.5 - 2}{20 - 8}$$

$$= \frac{3.5}{12}$$

$$\approx 0.29$$

$y = .25x + 0$

$$1 = 1 + b$$

$$b = 0$$

$1033 - 1038$

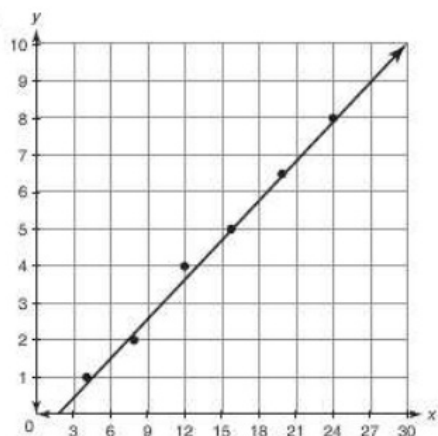
$$y - y_1 = m(x - x_1)$$

$$y - 2 = 0.29(x - 8)$$

$$y = 0.29x - 0.32$$

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16.

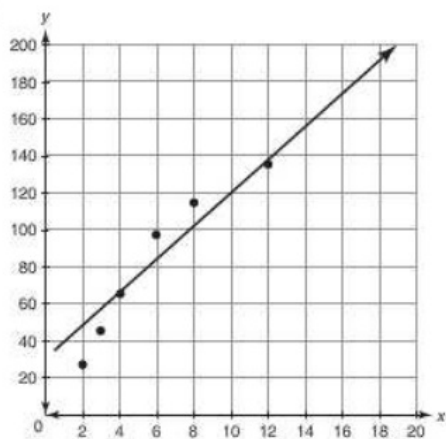


Lesson 16.5 Skills Practice

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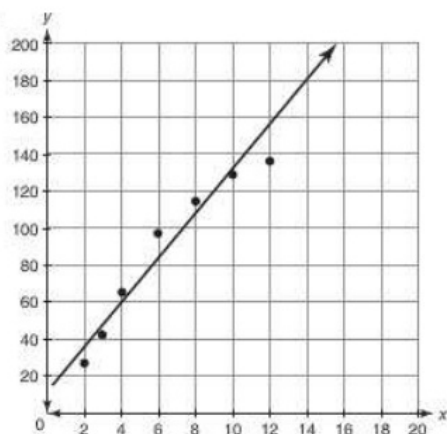
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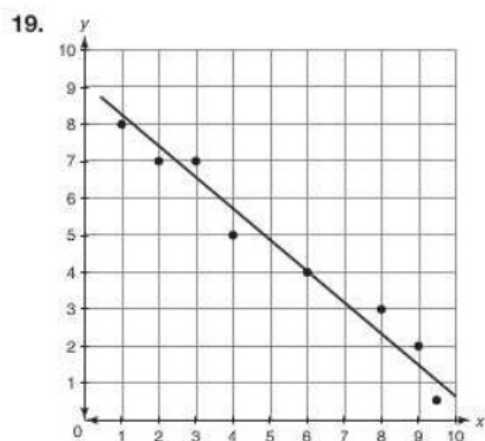
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18.



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20.

