

$m = \frac{\text{rise}}{\text{run}} = \frac{5}{2}$

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

$m = \frac{-2 - 3}{6 - 8}$

$m = \frac{-5}{-2}$

$m = \frac{5}{2}$

$m = \frac{3 - (-2)}{8 - 6}$

$m = \frac{5}{2}$

Mar 1-10:12 AM

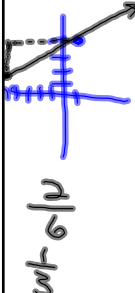
$-\frac{2}{7} = \frac{2}{-7}$

$-\frac{2}{7}$

~~$\frac{2}{7}$~~

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p. 174 ex. 6



$(1, 4)$ and $(-5, r)$
 $m = \frac{1}{3}$

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

$$\frac{1}{3} = \frac{4 - r}{1 - (-5)}$$

$$\frac{1}{3} = \frac{4 - r}{6}$$

$$6 = 3(4 - r)$$

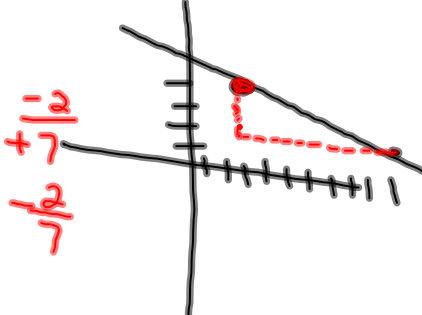
$$6 = 12 - 3r$$

$$\frac{-6}{-3} = \frac{-3r}{-3}$$

$2 = r$

Mar 1-10:21 AM

$(10, r)$ $(3, 4)$ $m = -\frac{2}{7}$ or $-\frac{2}{7}$



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

$$\frac{-2}{7} = \frac{r - 4}{10 - 3}$$

OR $\frac{-2}{7} = \frac{4 - r}{3 - 10}$

$$\frac{-2}{7} = \frac{4 - r}{-7}$$

$$14 = 7(4 - r)$$

$$14 = 28 - 7r$$

$$\frac{-14}{-7} = \frac{-7r}{-7}$$

$$2 = r$$

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$$30 \text{ m/min} = \frac{50}{100} \text{ cm/s}$$

$$\frac{30 \text{ m}}{1 \text{ min}} \cdot \frac{1 \text{ min}}{60 \text{ s}} \cdot \frac{50 \text{ cm}}{100 \text{ m}}$$

Mar 1-10:44 AM

$$\begin{matrix} x & y & & x & y \\ (6, 8) & & (r, -2) & & m=1 \end{matrix}$$

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

$$1 = \frac{-2 + 8}{r - 6}$$

$$1 = \frac{-10}{r - 6}$$

$$r - 6 = -10$$

$$r = -4$$

Mar 1-10:48 AM

(3.3) WKSHT
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