P. 250

$$M = \frac{y^2 - y_1}{x_2 - x_1} \qquad \frac{1 - 4}{2 - 8} = \frac{-3}{-6} = \boxed{\frac{1}{2}}$$

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$$5) \quad 2x + 9y = -18 - 2x \quad y = mx + b$$

$$-2x \qquad 9y = -3x + -18 \qquad y = \frac{-2}{9}x + -2$$

$$b = -2$$

$$y = \frac{-3x + -18}{9} \qquad y = \frac{-2}{9}x + -2$$

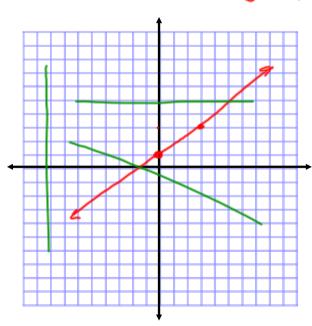
two trees: (x)t = # of years h = 2t + 6' h = 2t + 8 y = 2x + 84=2x+8/1/ a feet

1.
$$\frac{4x - 2y}{-4x} = \frac{-8 - 4x}{-3}$$
 $y = 2x + 4$ 2. $\frac{-9x + 3y}{3} = \frac{21 + 9x}{3}$ $y = 3x + 7$

3. You are traveling by bus. After 4.5 hours, the bus has traveled 234 miles. Use the formula d = rt where d is distance, r is rate, and t is time to find the average rate of speed of the bus.

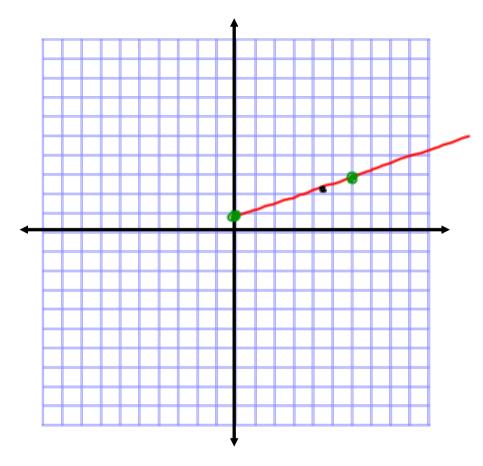
$$\frac{234 = -.4.5}{4.5}$$

- 1. Identify the slope and y-intercept of the line 2x + 4y = -16./4 -2x / 4 = -26./4 -2x / 4 = -26./4
- **2.** Graph $y = \frac{2}{3}x + 1$.



Important! · Unit test (ch. 435) -Wednesday, 10/22 · Last day of the quarter is Wed , 10/29 schedule atime! Will determine if you get credit be patient 7 skills tests by FRIDAY, 10/24

4



equation:

-Visually find the y-intercept

(0,1)
$$b=1$$

Slope=

Tise = $\frac{3}{6}$
 $M=\frac{1}{3}$

$$Q = MX + P$$

$$Q = MX + P$$

$$(7,4)$$
 and $(4,3)$
 $Slope = \left(\frac{4-3}{7-4}\right) = \frac{1}{3}$

$$f(x) = mx + b$$

$$f(x) = mx + b$$

$$x=a$$

$$f(a) = m(a) + b$$

Homework: 7. 286, 4-28 (even), 45,46