

# Chapter Review Solutions

p. 392

2.)  $(-5, 1) (-8, -8)$

$$\frac{1 - -8}{-5 - -8} = \frac{1 + 8}{-5 + 8} = \frac{9}{3} = 3$$

3.)  $-\frac{5}{2}$

9.)  $m = -.5$   
 $(-5, 20)$

$$20 = -.5(-5) + b$$

$$20 = 2.5 + b$$

$$17.5 = b$$

$$y = -\frac{1}{2}x + 17.5$$

11.)  $m = 3$   
 $(30, .25)$

$$.25 = 3(30) + b$$

$$.25 = 90 + b$$

$$-90 \quad -90$$

$$-89.75 = b$$

$$y = 3x - 89.75$$

15.)  $(-3, -8)$

$$-8$$

$$-3$$

VER

17.)

$$19.) 8x + 4y = 10$$

$$4y = 10 - 8x$$
$$\frac{4}{4} \quad \frac{4}{4} \quad \frac{4}{4}$$

$$y = 2.5 - 2x$$

or

$$y = -2x + 2.5$$

$$21.) y = 12x - 6.2$$

$$\text{slope} = 12$$

$$y\text{-int} = -6.2$$

27.)  $\mu$

28.)  $n$  &  $l$

29.) slope = 0 (horizontal)

38.) Oct - November

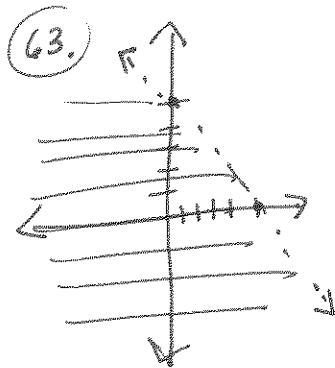
40.)  $29.95 = b$  (beginning)  
 $.49 = m$  (constant change)

$$y = .49x + 29.95$$

45.)  $50 = \text{slope}$  (constant change)

50.)

51.)



52.)