

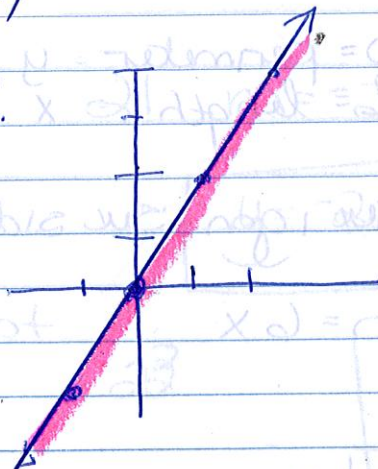
Pg. 302 9, 11, 13, 21, 23, 25, 26
 27, 29, 37, 39, 41

9. $\frac{2y}{2} = \frac{5x+1}{2}$

$y = \frac{5}{2}x + \frac{1}{2}$

No IT HAS
 A y intercept
 DIRECT VARIATION
 GOES THROUGH
 THE ORIGIN

21.



$y = 2x$
 slope
 goes
 through
 origin

11. $\frac{-12x}{6} = \frac{6y}{6}$

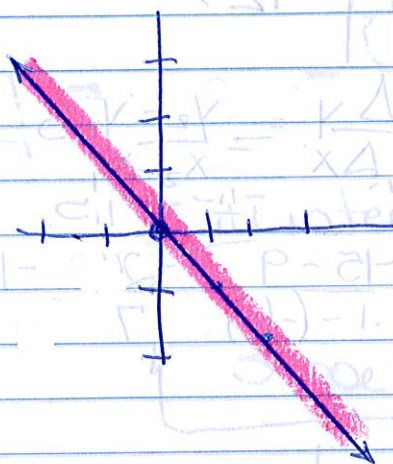
$-2x = y$

$-2x = y$

YES IN
 $y = Kx$ Form

$m = K = -2$

23. $y = -x$



13. $-4 + 7x + 4 = 3y$

$7x = 3y$

$\frac{7}{3}x = y$

YES
 $m = K = \frac{7}{3}$

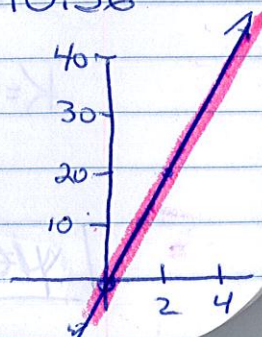
25. $d = \text{distance} = 13.2 = y$
 $t = \text{time} = 1.25 = x$

$K = \frac{y}{x} = \frac{13.2}{1.25} = 10.56$

$y = Kx$

$y = 10.56x$

$d = 10.56t$



26 $p = \text{perimeter} = y$
 $l = \text{length} = x$

hexagon six sides

$$p = 6x$$

x	y
-6	19
1	-1.5
8	-12

$$K = \frac{y}{x} = \frac{9}{6} = -1.5$$

$$-1.5 = -1.5$$

$y = Kx$
 $y = -1.5x$
 YES

$$\frac{-12}{8} = -1.5$$

x	y
-2	1
3	6
8	11

$$K = \frac{y}{x} = \frac{1}{-2} = -\frac{1}{2} = -0.5$$

$$\frac{6}{3} = 2 \quad \frac{11}{8} = 1.375$$

NO

THE VALUE IS NOT CONSTANT

37. No As THE RATE INCREASES THE TIME DECREASES

39. No As THE NUMBER OF ITEMS YOU PURCHASE THE AMOUNT OF MONEY YOU HAVE LEFT DECREASES.

41 y DOES NOT VARY DIRECTLY WITH x BECAUSE $y \neq 0$ WHEN $x = 0$

Pg 310 9, 11, 13, 17, 19, 21, 23, 25

9) $y = 2x - 5$
slope yintercept

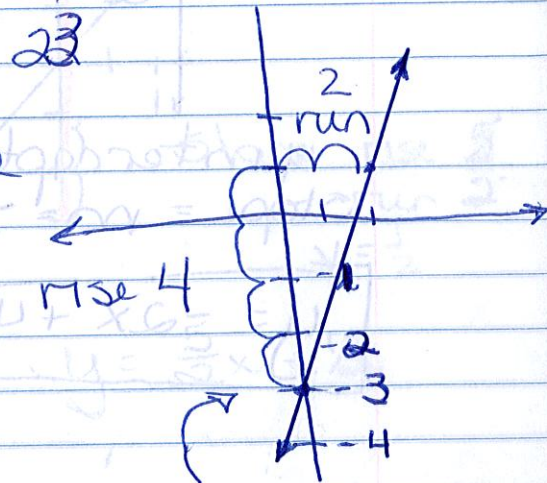
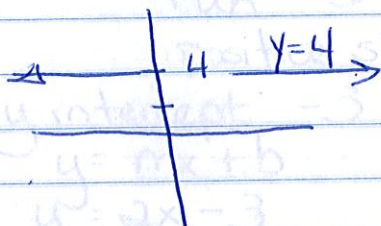
21 $m = -2$ $b = \frac{8}{5}$

$y = -2x + \frac{8}{5}$

11) $y = 5x - 3$
slope yintercept

13) $y = 4$
slope is 0 because there is no m value this is a horizontal line

yintercept is 4



yintercept is -3

slope $\frac{\text{rise}}{\text{run}} = \frac{4}{2} = 2$

17) $m = 3$
 $b = 2$
 $y = mx + b$
 $y = 3x + 2$

$y = mx + b$
 $y = 2x - 3$

19) $m = .7$ $b = -2$
 $y = mx + b$
 $y = .7x + (-2)$
 $y = .7x - 2$