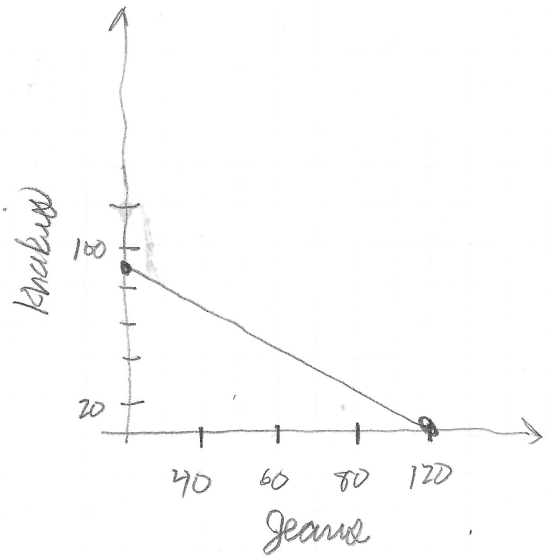
Math 8

p213-214 : 2, 4, 6, 8,

2) x-int : -4 , y-int : 3

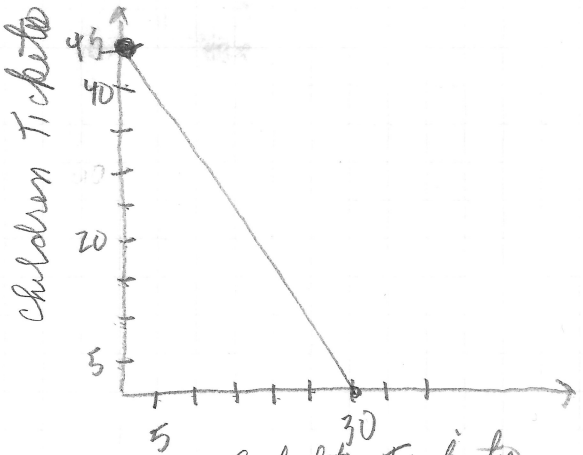
4)



y = 90 ; Khakis but no jeans

x = 120 ; Jeans but no khakis

6) $45x + 20y = 1{,}350$



y-int : 45 child tickets, no adults

x-int : 30 adult tickets, no children

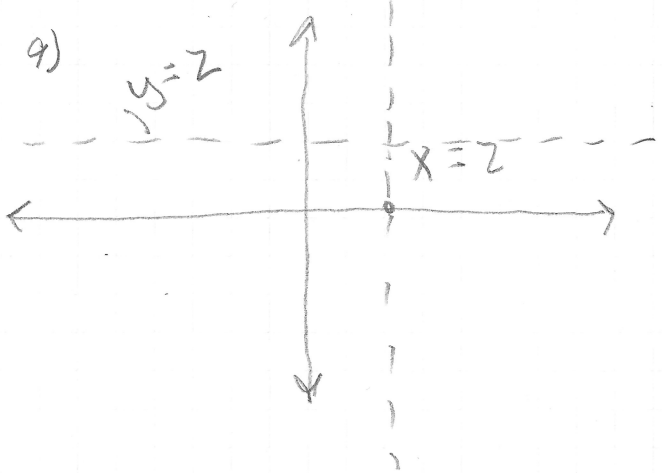
8) $2x + 2y = 24$

y-int = 12 ; x = 0

x-int : 12 ; y = 0

This makes no sense as you can't have a rectangle with a $\underline{l}$ or $\underline{w}$ = 0!

9)



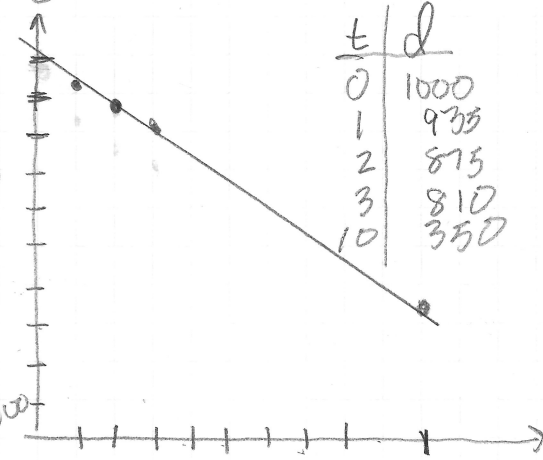
~~10~~ p203-204 : 2, 4, 6, 8, 10

2) $-\frac{3}{7}$, $-\frac{1}{7}$

4) $y = -\frac{3}{4}x - 2$

6) $y = -\frac{1}{3}x + 5$

8)



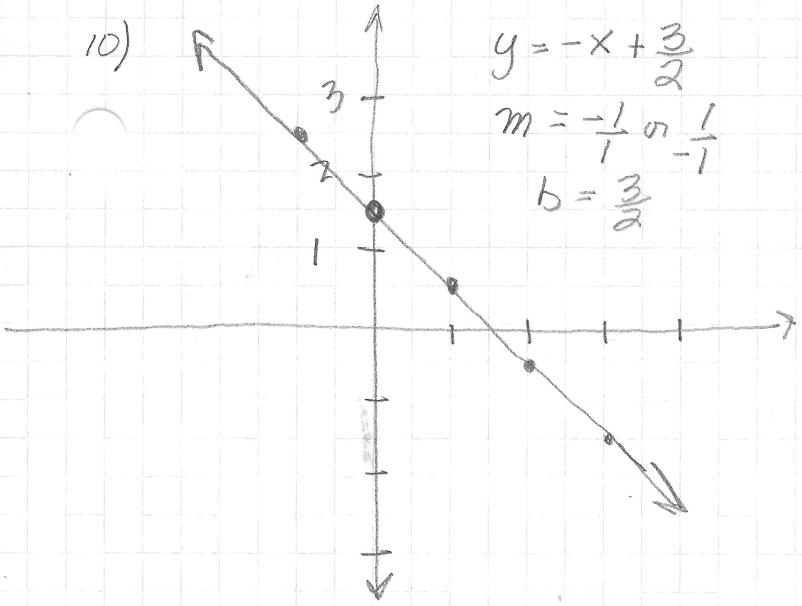
t	d
0	1000
1	935
2	875
3	810
10	350

slope is the speed

y-int: is how many miles they must travel

p 203-204 continued

10)



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

$m = \frac{-1}{1}$ or $\frac{1}{-1}$

$b = \frac{3}{2}$

p. 221: RWL

1) Yes, rate of change is constant: $\frac{+9}{+1}$

2) Slope is $\boxed{9}$

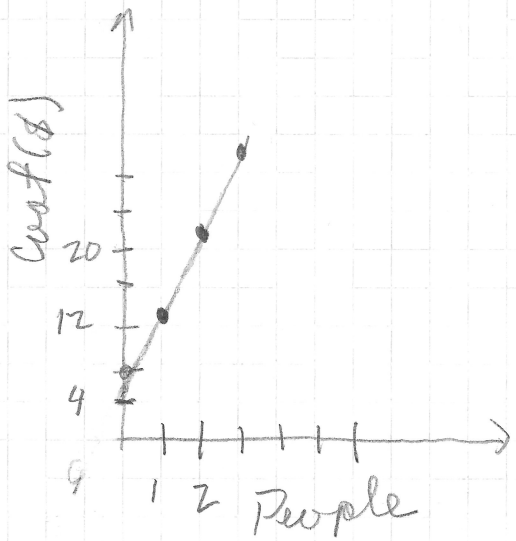
3) $y = mx + b$

$22 = 9(2) + b$

4) $b = 4$

5) $y = 9x + 4$

6)



p 222

a) $y - 2 = -\frac{1}{2}(x+1)$

c) $y + 3 = -1(x-6)$

$y = -x + 3$

d) $y - 2 = -2(x+1)$

$y = -2x$

e) $y - 25 = \frac{1}{5}(x - 100)$

$m = \frac{35-25}{150-100} = \frac{10}{50} = \frac{1}{5}$