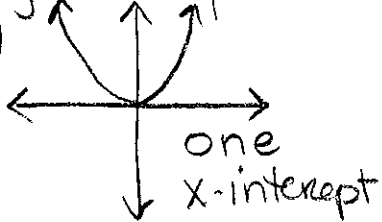


Pre-Calculus Math II

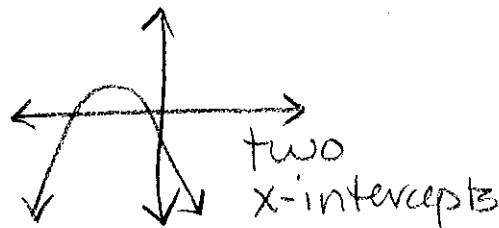
Page 215 part 1 #1-4

1.

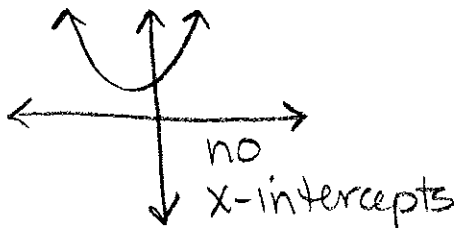
a)



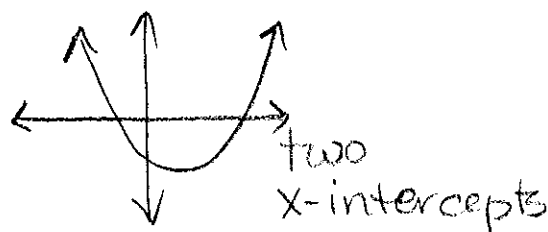
b)



c)



d)



2. roots of above graphs

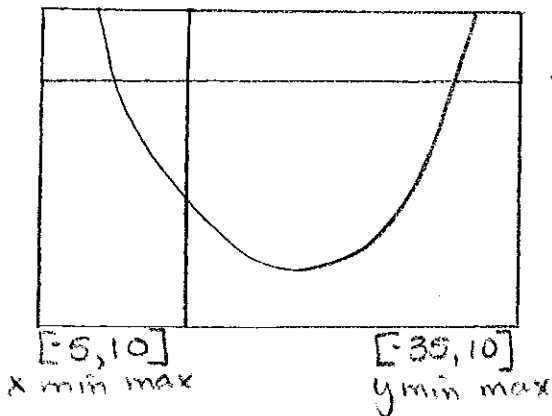
a) 0

b) -4, -1

c) no root

d) -3, 8

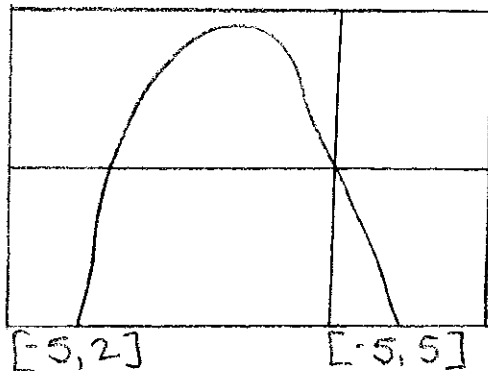
3. a)



$$y = x^2 - 5x - 24$$

find zeros: -3, 8

b)

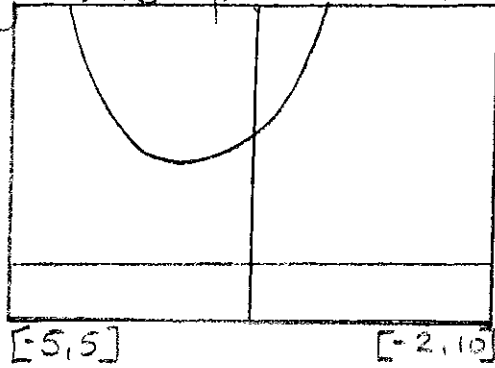


$$y = -2r^2 - 6r$$

find zeros: -3, 0

page 215 part 1 cont.

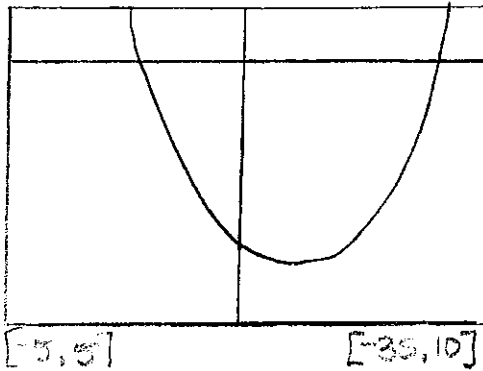
3. c)



$$y = h^2 + 2h + 5$$

find zeros: none

d)

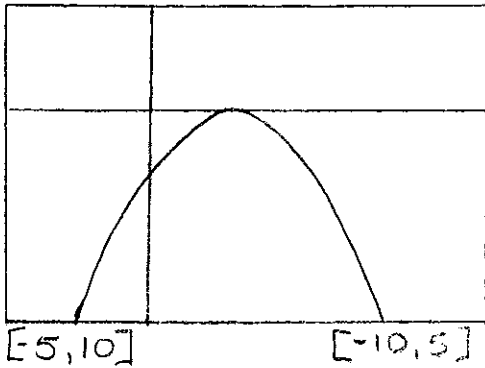


$$y = 5x^2 - 5x - 30$$

$$\begin{cases} 5x^2 - 5x = 20 \\ 5x^2 - 5x - 20 = 0 \end{cases}$$

find zeros: -2, 3

e)

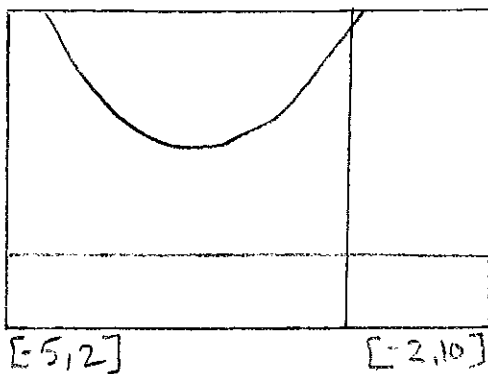


$$y = -z^2 + 4z - 4$$

$$\begin{cases} -z^2 + 4z = 4 \\ -z^2 + 4z - 4 = 0 \end{cases}$$

find zeros: 2

f)

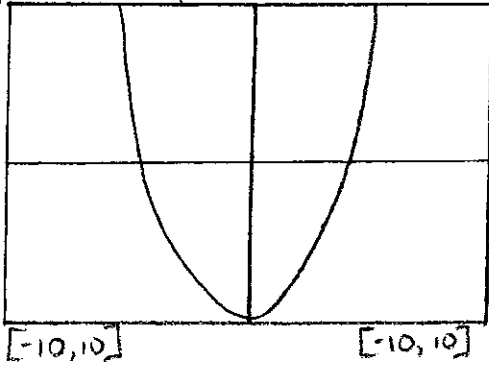


$$y = t^2 + 4t + 10$$

find zeros: none

page 215 part 1 cont

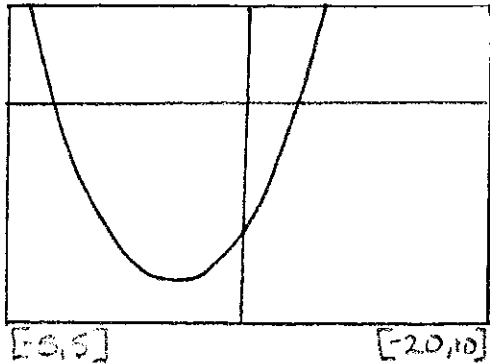
4. a)



$$y = n^2 - 10$$

Zeros: $-3.2, 3.2$

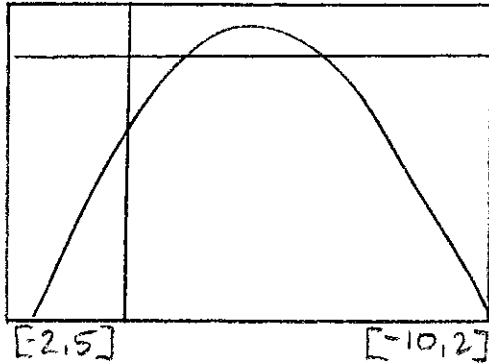
b)



$$y = 3x^2 + 9x - 12$$

Zeros: $-4, 1$

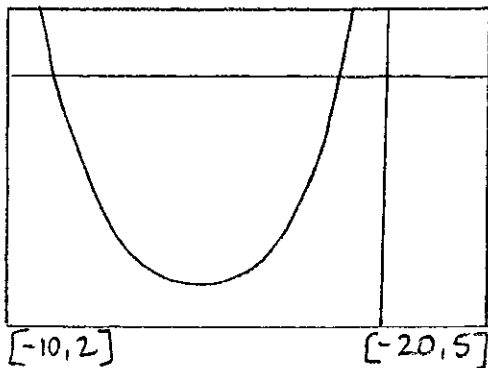
c)



$$y = -w^2 + 4w - 3$$

Zeros: $1, 3$

d)

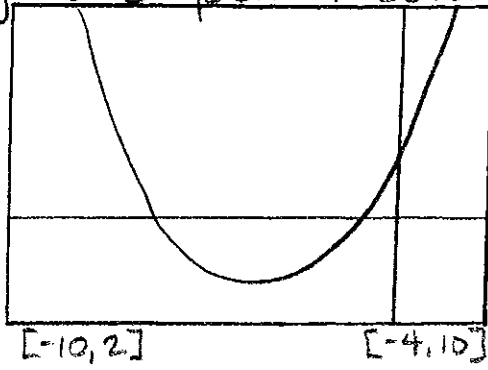


$$y = 2d^2 + 20d + 32$$

Zeros: $-8, -2$

Page 215 part 1 cont.

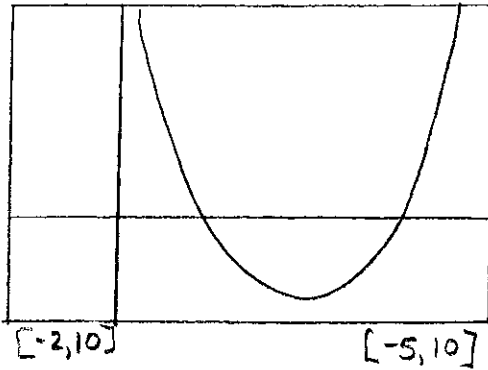
4. e)



$$y = v^2 + 6v + 6$$

Zeros: -4.7, -1.3

f)



$$y = m^2 - 10m + 21$$

Zeros: 3, 7