Exam1

9)
$$2x + 5 = 3$$

 $-5 - 5$
 $2x \ge -2$
 $x \ge -1$
b) $|3x - 2| \le 14$

()
$$-2|x-1|+4|22$$

 $-2|x-1|2-2$
 $-2|x-1|2-2$
 $-2|x-1|>1$

Math 418

sept. 22

Exam 1

Domain of f(x) 3/x+4 + 5/x3+27

non-zero non-negeotive

Dom $f(x) = \{x \mid x \ge -4\}$ $x + 4 \ge 0$ -4 -4

× 200 - 4

x3+2720 -27 -27

-3/x3=25-27 x3=27

no solution (-3)(-3)(-3)=27

a) $\frac{4x+3y=13}{-4x} - 4x$ $\frac{3y=-4x+13}{3} = \frac{3}{3} = \frac{3}{3$ y=-4x

Y+4===(x-1)

Function f(x) is linear when it is graphed, the line it produces is completely straight with no curves or breaks.

Exam I

4.
$$P(m) = 8m + 150$$

5,

Dom
$$g(x)=[-3,12]$$

Range $g(x)=(1,24)$

$$\frac{-3 \leq 3 \times \leq 12}{3}$$

p(x)=-3g(3x)+2

Math 418

Sept. 22

Exam 1

6,

$$\frac{12-6}{-8-4} = \frac{6}{-12} = -1/2$$

$$y-6=\frac{1}{2}(x-4)$$
 $y=\frac{1}{2}x+2+6$
 $y=-\frac{1}{2}x+8$

no, the point (1,4)
does not he on the
line passing through
(-8,12) and (4,6).