Graph.

$$\frac{8}{4} - \frac{12}{-6} = \frac{12}{-6}$$
 (0,-2)

$$\frac{3}{3} \times \frac{3}{3} = \frac{12}{3} \times \frac{(4,0)}{3}$$

$$3x - ley = 12$$

 $-3x$
 $-ley = -3x + 12$
 -6
 -6
 $y = \frac{1}{2}x - 2x$
 $y = \frac{1}{2}x - 2x$
 $y = \frac{1}{2}x - 2x$

Find the linear equation for a

hie prallel to

the point (CI, 2)

$$3x - by = 12$$

 $-3x - 3x$

$$\frac{-\log 4 = -3x + 12}{-6} = \frac{-6}{-6} = \frac{-6}{5\log 2}$$

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

3x-ley=12 that goes through

slopes are the same.

given slope = []

$$y = M \times + b$$

$$2 = (\frac{1}{2})(1) + b$$

$$2 = -\frac{1}{2} - \frac{1}{2} = \frac{3}{2}$$

$$5 = \frac{3}{2}$$

Determine the linear equation for a line perpendicular to Ey = -3x+83 that goes through the point (6,-9) perpendicular lines -> opposite inverse y = mx+b 1 slope 1 y-intercept y=mx+b 4= 4x-17

Geometry Chapter 3 Pre-Test

1.) (2 pts each, 10 pts total) Use the following illustration to define the relationship between each of the angles listed. Please include both the type of angles and whether they are congruent, supplemental, or complementary.

=1800





c) ∠4 & ∠5

alternate interior, congruent

d) ∠4 & ∠8

same-side interior, supplemental

e) ∠5 & ∠8 linear pair, supplementa

Correspondi.

linear pair

2.) (10 pts) Find the value of x and y.

1.) look for same variable

 $(3x + 9)^{\circ}$

3x+9=106.28+8

- 3.) (2.5 pts each, 10 pts total) Find the angle measure of each of the indicated angles.
 - a) ∠1
 - b) ∠2
 - c) ∠3
 - d) ∠4

3x+9=114.28



