<u>Slope</u> -

> <u>Positive Slope</u> -

> <u>Negative Slope</u> -

> <u>Zero Slope</u> -

> <u>No Slope</u> -

<u>Slope/Intercept form of a Line</u> -

Find the slope of the line passing through the pair of points.

   1) (3,-2), (1,6)

> <u>Parallel Lines</u> -

<u>Perpendicular Lines</u> -

Determine if the lines L_1 and L_2 passing through the pairs of points are parallel, perpendicular, or neither.

   25) L_1: (3, 6), (-6, 0)
        L_2: (0, -1), (5, $\frac{7}{3}$)

Find the slope and the *y*-intercept of the equation of the line.

35) $5x - y + 3 = 0$

45) $(-8,1), (-8,7)$

Write equations of the line through the given point a) parallel to and b) perpendicular to the given line.

67) $(-6, 4)$ $3x + 4y = 7$

Assignment:

Pg. 128
12-16 even,
24-26 even,
31-34 all,
36-70 even

Note: 60-64, use same
instructions as 50 to 58.