

Name: _____

- (1) Write the slope intercept form of the equation that satisfies the given conditions:
- (a) Slope is 3, passing through $(3, 5)$
 - (b) Slope is -2 passing through $(-3, -6)$
 - (c) Passing through $(-6, 0)$ and $(0, 6)$
 - (d) Passing through $(-3, 1)$ and $(6, -2)$

- (2) Write the point-slope form of the equation satisfying the given conditions. Then use the point-slope form of the equation to write the slope intercept form of the equation.
- (a) Parallel to $y = 4x$ and passing through $(4, 1)$
 - (b) Perpendicular to $y = 4x$ and passing through $(1, 4)$
 - (c) Passing through $(-8, 8)$ and perpendicular to the line that has an x -intercept of $(3, 0)$ and a y -intercept of $(0, -6)$.