MATD 0370 - Elementary Algebra
Name
Written Homework 5 - Show all work to receive credit

## Slope-Intercept Form and Point-Slope Form (Section 3.7)

1) Find the slope and $y$-intercept of the line: $12 x-6 y=9$
2) Write the slope-intercept equation for the line with a slope of $\frac{7}{4}$ that passes through the point (4, -2). Show all work.
3) Write the slope-intercept equation of the line passing through the points $(-3,4)$ and $(3,1)$. Show all work.

## Properties of Exponents (Section 4.1)

4) Simplify. Show all work. $\left(-4 m^{3} r^{4}\right)^{3}\left(m^{0} r\right)$
