

MATH 1151 – Precalculus Supplemental Lab
Skill Builder – Week 4

NAME: _____ SECTION: _____

1. Find an equation of the line through the points $(-7, 6)$ and $(2, 10)$.

2. (a) Determine if the following lines are parallel, perpendicular, or neither.

$$9x - 3y = -6$$

$$3x + 9y = 18$$

- (b) Do the above lines share a point? If so, what point?

3. Find the center and radius of the circle that has the following general equation.

$$5x^2 + 5y^2 - 30x + y - 2 = 0$$