

Name: \_\_\_\_\_

## Math 151, Quiz #1, September 7, 2017

1. Find  $\sin^2(\pi/3) + \cos^2(\pi/3)$ .
2. Find the equation of the line parallel to  $y = 3x - 5$  that passes through the point  $(2, -6)$ .
3. Let  $f(x) = \frac{x^2 - 2x - 15}{3x - 15}$ . Find the domain and range of  $f$ . Sketch a graph.