

Show all work and circle/box your final answer. All answers must be simplified unless stated otherwise. Turn in when done.

1. (5 points) Graph $y = 1 - x^2$ (based off the graph of x^2) and answer the following questions

- (a) What is the domain?
- (b) What is the range?

2. (5 points) Graph $\frac{(x-5)^2}{5^2} + \frac{(y+1)^2}{3^2} = 1$