

In-Class Problems 8 for Monday, February 19

These problems are from [Pre-Class Problems 8](#).

1. Sketch the graph of the following functions. State the domain of the function and use the sketch to state the range of the function. Find the x -intercept(s) or t -intercept(s) and the y -intercept.

a. $f(x) = 2(x - 6)^2$

b. $g(t) = -(t + 4)^3 + 9$

c. $y = \frac{3}{4}\sqrt{5x - 8} - 7$

d. $h(x) = -\sqrt[3]{3x} + 2$

e. $f(t) = -|3t + 11| - 4$

f. $g(x) = \frac{5}{2x - 8} + 3$