Section 1.6

Problem 1. Graph the following functions. Then find the domain, range, $x$-intercept, $y$-intercept, and determine if the function is even or odd.

a) \[ f(x) = c \]

b) \[ f(x) = x \]

c) \[ f(x) = x^2 \]

d) \[ f(x) = x^3 \]

e) \[ f(x) = \sqrt{x} \]
f) \( f(x) = |x| \)

g) \( f(x) = \frac{1}{x} \)

h) \( f(x) = \lfloor x \rfloor \)

i) \( f(x) = \frac{1}{x^2} \)

j) \( f(x) = \sqrt[3]{x} \)

Homework: Read section 1.6, do #11, 29, 33, 39 (the quiz for this section will be taken from these problems)