

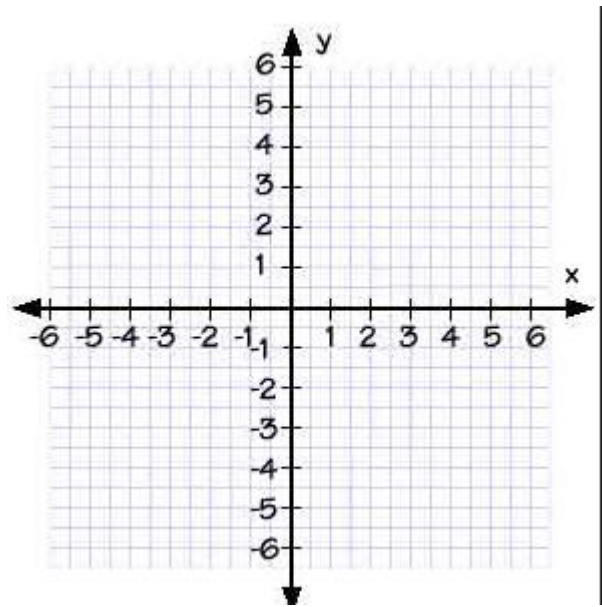
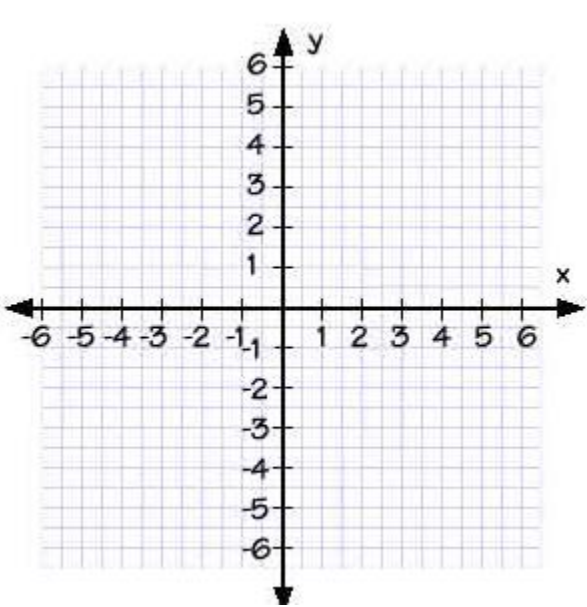
Section 1.6 Graphical Transformations

***KNOW THE GRAPHS OF EACH PARENT FUNCTION**

1) Sketch the following graphs

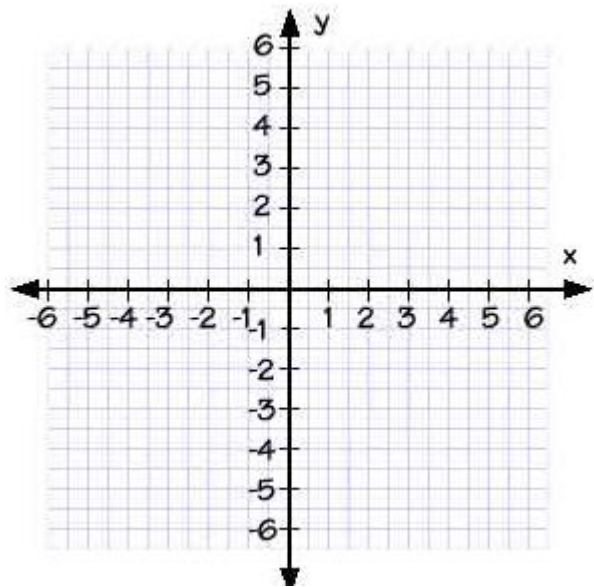
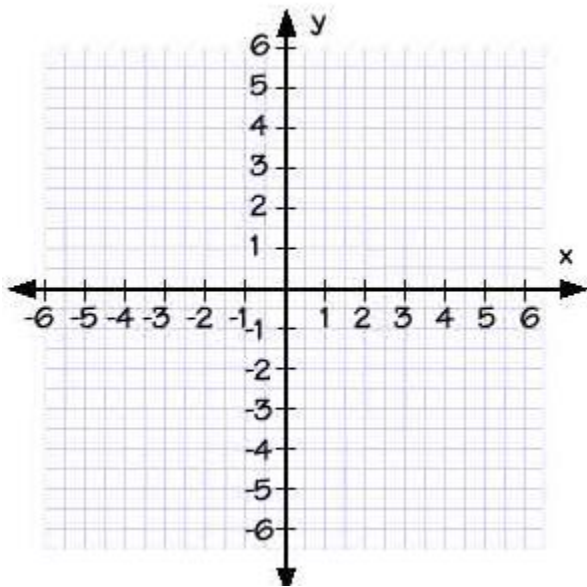
a) $h(x) = x^3 + 3$

b) $f(x) = (x - 3)^3 + 4$

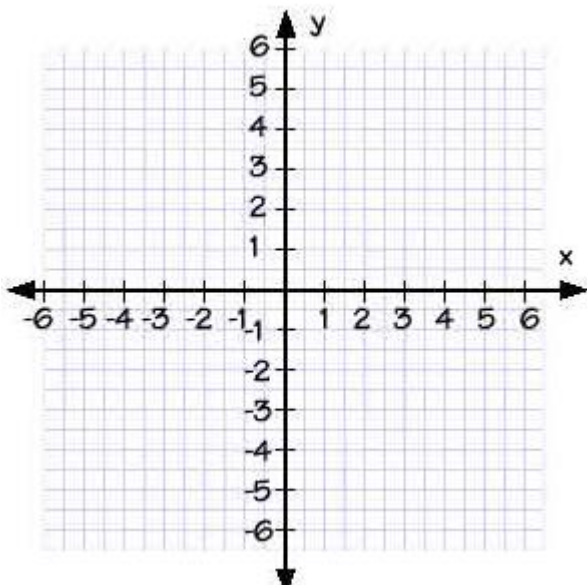


$$c) g(x) = -\sqrt{x+2}$$

$$d) k(x) = -2x^2 - 1$$



$$e) m(x) = |-x| + 4$$



State the parent function and describe the transformations of the following functions

$$g(x) = 3x^2$$

$$h(x) = |3x|$$

$$f(x) = \sqrt{-x + 3}$$

$$k(x) = -(x - 2)^3 + 3$$