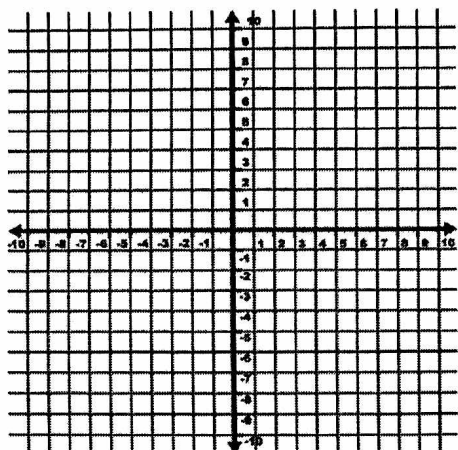


# AA PREP—REVIEW OF TRANSFORMATION STRUCTURE—WORKSHEET #2

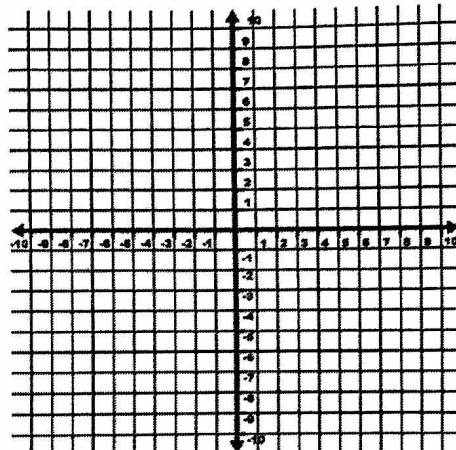
1. Graph each of the following parent functions. State domain and range.

a)  $g(x) = \sqrt{x}$



Domain: \_\_\_\_\_ Range: \_\_\_\_\_

b)  $f(x) = x^3$



Domain: \_\_\_\_\_ Range: \_\_\_\_\_

2. Identify the parent function and all transformations.

a)  $f(x) = -\frac{1}{x+6}$

b)  $y = 2^{x-5} + 3$

c)  $g(x) = 6|x| + 4$

d)  $f(x) = \frac{1}{4}x^3 - 8$

e)  $g(x) = -(x+1)^2 - 3$

f)  $y = 3\sqrt{x-4}$