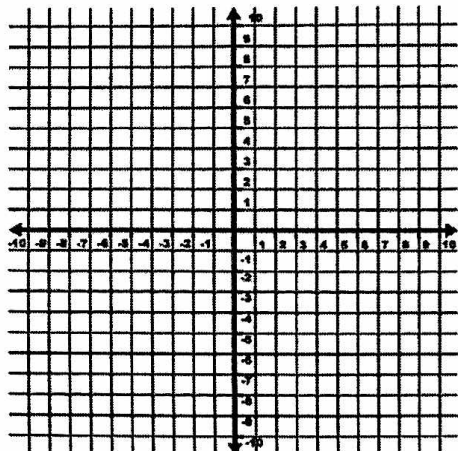


AA PREP—REVIEW OF TRANSFORMATION STRUCTURE—WORKSHEET #1

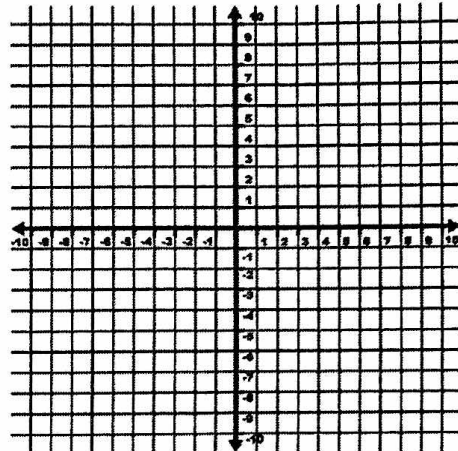
1. Graph each of the following parent functions. State domain and range. Include any asymptotes.

a) $y = x^2$



Domain: _____ Range: _____

b) $y = 2^x$



Domain: _____ Range: _____

2. Identify the parent function and all transformations.

a) $f(x) = 5(x-1)^3$

b) $y = 2^{-x} - 1$

c) $g(x) = -4x^2 + 12$

d) $f(x) = \frac{2}{x-1} + 3$

e) $y = -\frac{1}{5}\sqrt{x}$

f) $g(x) = \frac{1}{3}|x+4|$