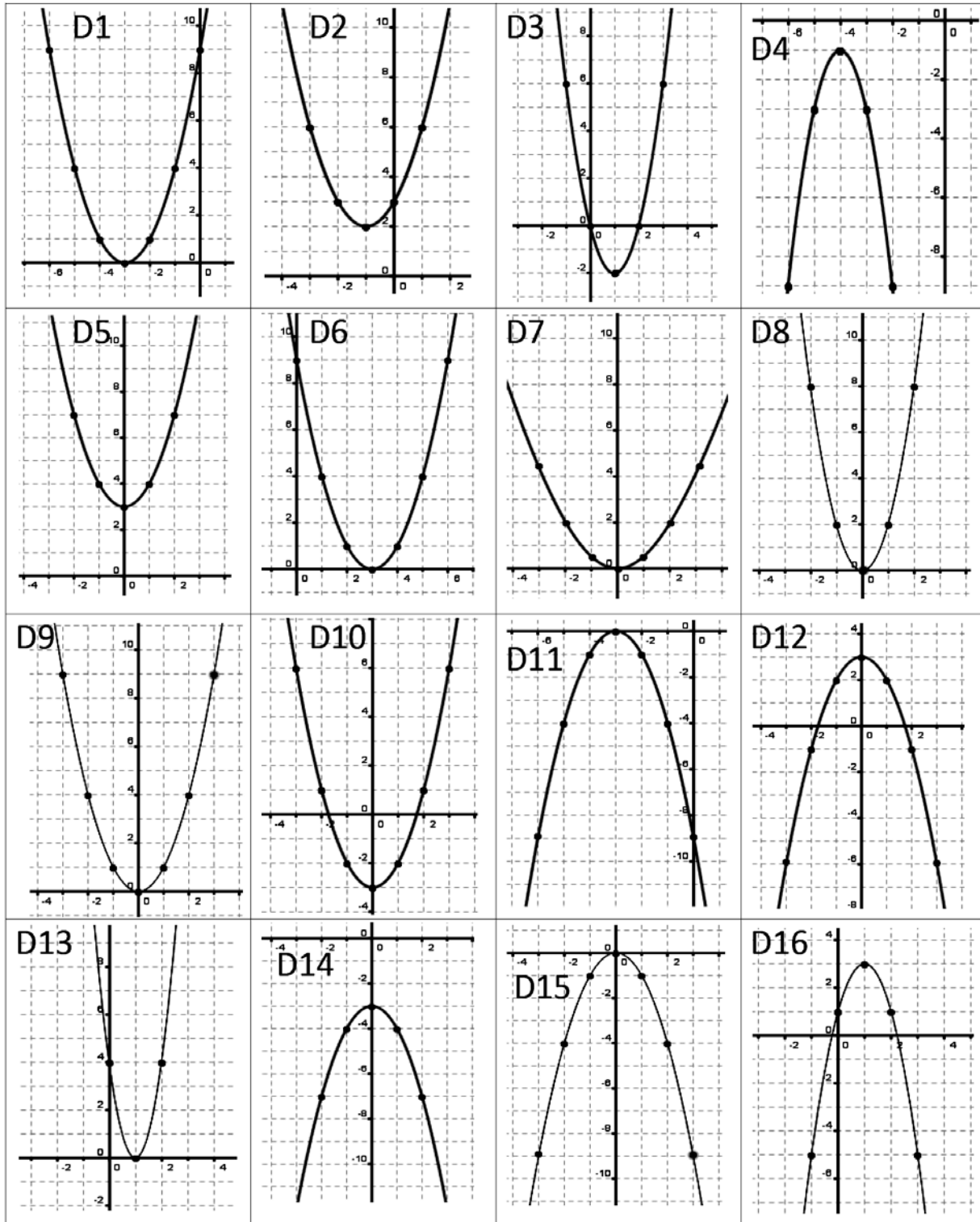


Quadratic Transformations Review

Determine the Equation of a Quadratic Function Given Its Graph:

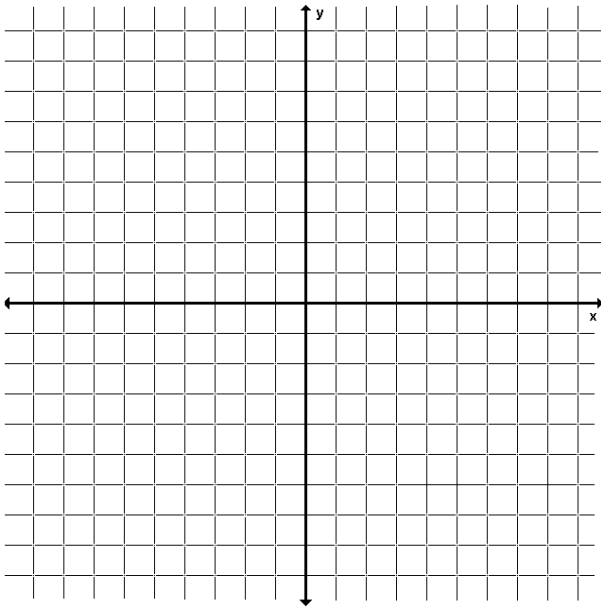


- | | | | | | |
|----------------------|-------------------|--------------------|---------------------|----------------|----------------|
| $y = (x+3)^2$ | $y = (x+1)^2 + 2$ | $y = 2(x-1)^2 - 2$ | $y = -2(x+4)^2 - 1$ | $y = x^2 + 3$ | $y = (x-3)^2$ |
| $y = \frac{1}{2}x^2$ | $y = 2x^2$ | $y = (x-1)^2 - 2$ | $y = x^2 - 3$ | $y = -(x+3)^2$ | $y = -x^2 + 3$ |
| $y = 4(x-1)^2$ | $y = -x^2 - 3$ | $y = -x^2$ | $y = -2(x-1)^2 + 3$ | | |

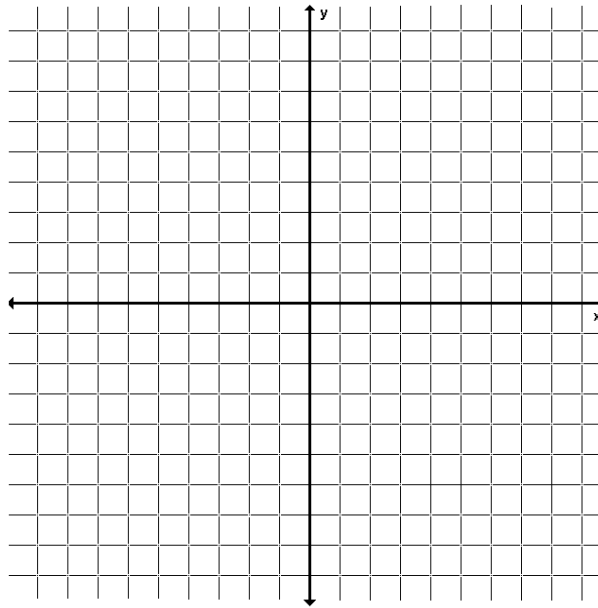
AChor/MBF3C

Name: _____ Transformation
Date: _____ Review

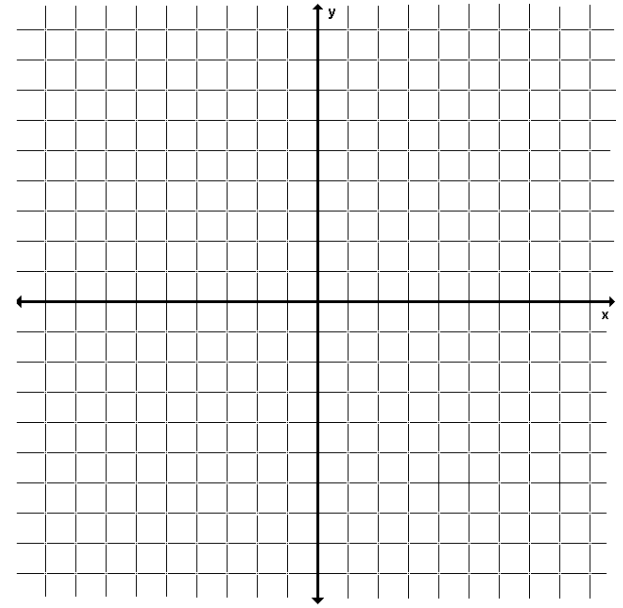
(1) $y = 2(x - 2)^2$



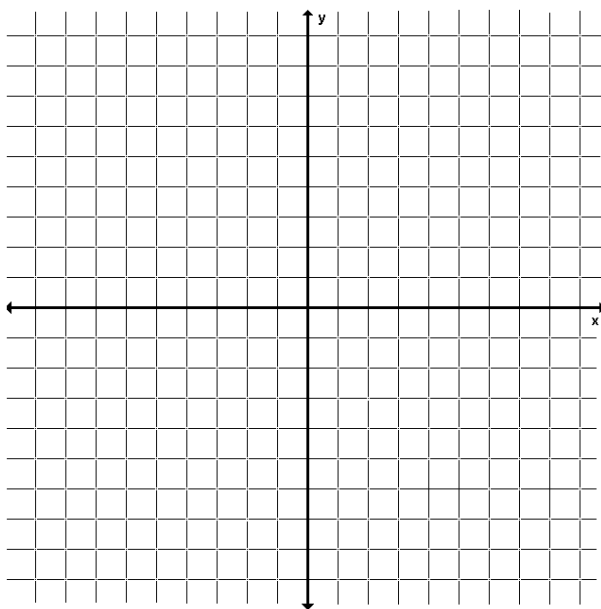
(2) $y = -(x + 1)^2$



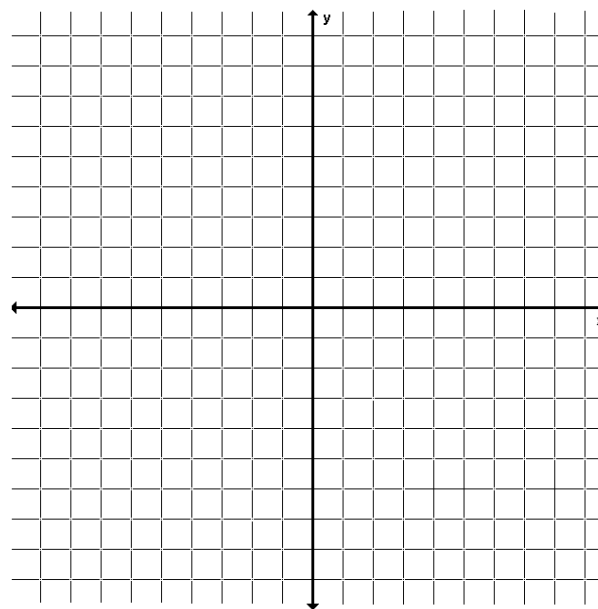
(3) $y = (x + 3)^2 - 5$



(4) $y = -(x - 4)^2 + 3$



(5) $y = 3(x + 2)^2 - 8$



(6) $y = \frac{1}{3}(x - 1)^2 - 4$

