Transformations of Quadratic Functions

Describe the transformation of $f(x) = x^2$ represented by g(x). Then graph g(x).

1.
$$g(x) = x^2 - 3$$

2. $g(x) = (x + 5)^2$
3. $g(x) = (x - 2)^2 + 4$



In Exercises 7 - 10, match the function with the correct transformation of the graph f(x).

