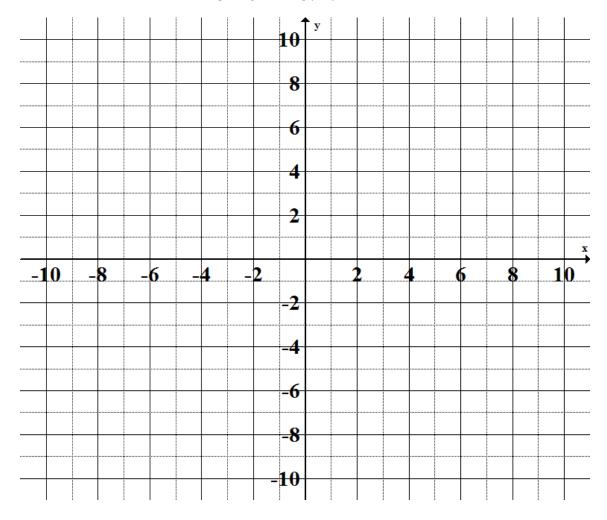**Using Transformations to Graph Functions - Exit Card**

Given the function $g(x) = -3\sqrt{-2(x-9)} + 3$

    a) Identify and graph its parent function on the axes provided.

    b) Graph *g(x)* on the axes provided.

    c) List the transformations you applied to the parent function, **in order**, to properly plot *g(x)*.

    d) List any invariant points between your two functions.

    e) State the domain and range of *f(x)* using proper notation.

    f) State the domain and range of *g(x)* using proper notation.

Name: _____   Date: _____

Please answer these questions based on our entire first unit.

I totally understand _____

_____

_____

_____.

I pretty much understand _____

_____

_____

_____.

I am still having a tough time with _____

_____

_____

_____.

Before the test I am going to _____

_____

_____

_____.