# Practice Test for Radical Functions Unit

**Learning Objectives:**

1. Graph a quadratic equation using transformations.
2. Use the area of squares to model a quadratic function.
3. Graph a radical function using transformations.
4. Identify the domain and range of a radical function.
5. Solve radical equations.
6. Use a graph to find the solution to a radical equation.
7. Identify extraneous solutions in a radical function.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Question #** | **Learning Objective** | **Know It** | **Feel Unsure** |  | **Right** | **Wrong** | **Simple Mistake** | **Need to Study** |
| 1 | A |  |  |  |  |  |  |  |
| 2 | B |  |  |  |  |  |  |  |
| 3 | C |  |  |  |  |  |  |  |
| 4 | D |  |  |  |  |  |  |  |
| 5 | E |  |  |  |  |  |  |  |
| 6 | F |  |  |  |  |  |  |  |
| 7 | G |  |  |  |  |  |  |  |

1. Graph each quadratic function:
   1. b. c.
2. Draw an area model to represent:
3. Graph:
4. Identify the domain and range of the function in problem 3.
5. Solve:
   1. b. c.
6. Graph this equations to solve:
7. Write a radical equation with an extraneous solution. Prove why it has an extraneous solution.