**Assignment: Solving Quadratic Equations Using the Square Root Property**

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_\_

**Solve. Show Work!**

1. 8.

2. 9.

3. 10.

4. 11.

5. 12.

6. 13.

7. 14.

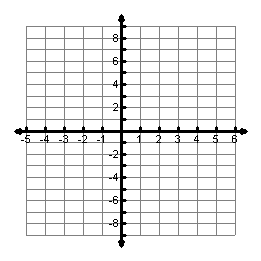
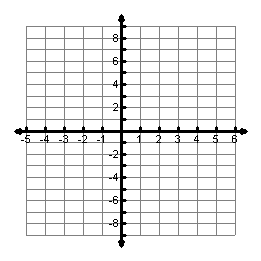
15. Solve using the square root principle:

A B

C D

16. A square is increased by 4 inches on each side. If the new area is 36 in2, what was the length of a side of the original square?

**Graph.**

17. 18.

Vertex:

Axis of Sym:

Domain:

Range:

Solutions:

Max/Min

Vertex:

Axis of Sym:

Domain:

Range:

Zeros:

Max/Min