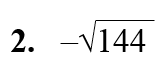
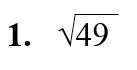
Algebra 2 w/ Trig

1.5 Solving Quadratics with Square Roots

Warm- Up:

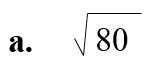
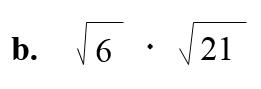
Find the Exact Value.

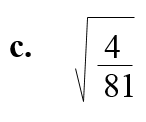
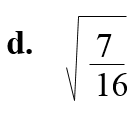


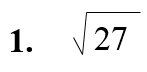
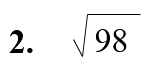
--------------------------------------------------------------------------NOTES----------------------------------------------------------------

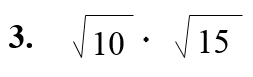
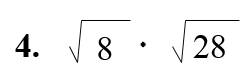
Example 1: Simplify the Expression:

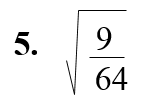
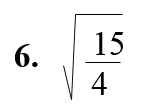
 

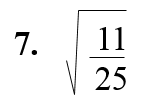
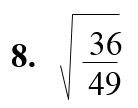
 

YOU TRY:

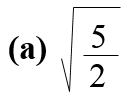
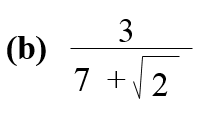
 

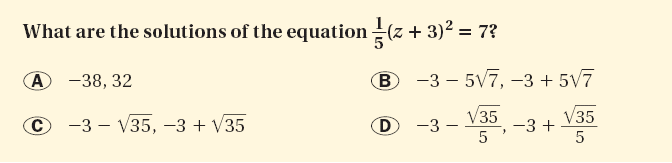
Example 2:

Simplify the following:

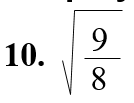
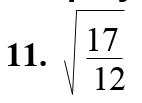
Example 3: Solve a Quadratic Equation.

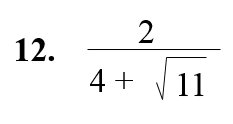
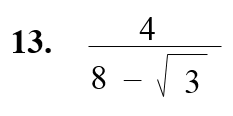




YOU TRY:

Simplify the expression.

Solve the equation.

Example 5: Model a Dropped Object with a Quadratic Function

**For a science competition, students must design a container that prevents an egg from breaking when dropped from a height of** 50 **feet. How long does the container take to hit the ground?**

YOU TRY:

**What If? In Example** 5**, suppose the egg container is dropped from a height of** 30feet**. How long does the container take to hit the ground?**

KEEP GOING:

Hw: Section 1.5 p. 35 #3-18 all

Simplify the Expression.