2016 Mathematics Standards of Learning

Algebra Readiness Formative Assessment

# 1A.4b

1. What is the solution set to the equation?
2. 
3. 
4. 
5. 
6. What are the solutions to the equation?

Solutions: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Select all correct solutions to the equation.

| *x* = 12 | *x* = -12 | *x* = 36 |
| --- | --- | --- |
| *x* = -36 | *x* = 3 | *x* = -3 |

1. What is the solution set to the equation ?

Solution Set: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What are the solutions in simplest radical form to the equation

?

1. 
2. 
3. 
4. 

Solution: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What are two algebraic methods that can be used to determine the solution set to the equation

?

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 7. A large flag has the following measurements. Length: ; width: . The area of the flag is 160 square feet. What are the actual dimensions of the length and width of this flag?

 Dimensions: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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