

## Day 6 Quiz Algebra 2 A - Solving Quadratics

Some questions (c) 2017 by Region 10 Educational Service Center.

1 Solve for  $x$  in the equation below:

$$x^2 + 16x = 36$$

A 12, -3

B -12, 3

C 18, -2

D -18, 2

2 Two numbers have a sum of 15 and a product of 36.

The smaller of the two numbers is which of the following?

F 2

G 3

H 4

J 6

3 Solve for  $6x^2 - 40 = x$ .

A 5, -8

B  $\frac{-5}{2}, \frac{8}{3}$

C -5, 8

D  $\frac{5}{2}, \frac{-8}{3}$

4 The length of a rectangle exceeds the width by 5 inches. The area of the rectangle is 84 square inches.

Find the width of the rectangle.

F 7 inches

G 6 inches

H 4 inches

J 3 inches

5 Two numbers have a sum of 10 and a product of 24.

The smaller of the two numbers is which of the following?

A 2

B 3

C 4

D 6