

Solving Equations by Factoring - Worksheet

A. Solve each equation.

1. $(5x + 1)(x - 2) = 0$

6. $n(2n - 3) = 2$

2. $8(3x - 4)(2x - 7) = 0$

7. $(x + 4)(5x - 1) = 0$

3. $y^2 - 10y + 24 = 0$

8. $4x(2x + 3) = 0$

4. $3y^2 - y - 14 = 0$

9. $8x^2 + 13x + 5 = 0$

5. $n^2 + n = 72$

10. $x^2 + 32 = 12x$

B. The shorter leg of a right triangle is 3 cm less than the other leg. Find the length of the two legs if the hypotenuse is 15 cm.