

Solving Quadratic Equations by Factoring

3 Steps:

1. Set each equation = 0. 2. Factor completely. 3. Set each factor = 0 and solve.

1. $(x+7)(2x-4)=0$

solution: _____

2. $x^2 = x + 30$

solution: _____

3. $3x^2 - 8 = 10x$

solution: _____

4. $x^2 - 2x = 0$

solution: _____

5. $8x + 24 = 2x^2$

solution: _____

6. The area of a rectangular desktop is described by the equation
 $L(L - 6) = 432$
where L is the length of desktop in inches. What is the length of
desktop?