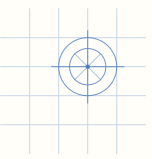


Solving quadratics — Already factored

Name: _____

Date: _____



Each product is zero. Write the two values of x .

1 $(x + 3)(x + 8) = 0$
 $x + 3 = 0$ or $x + 8 = 0$
 $x + 3 = 0 \rightarrow x = -3$
 $x + 8 = 0 \rightarrow x = -8$
 $x = -3$ or $x = -8$

2 $(x - 14)(x - 6) = 0$

3 $(x + 2)(x - 20) = 0$

4 $(x + 18)(x + 10) = 0$

5 $(x - 9)(x - 17) = 0$

6 $(x + 11)(x - 16) = 0$

7 $(x - 3)(x - 1) = 0$

8 $(x + 15)(x + 4) = 0$



Solving quadratics · Already factored — Answer key



1. $(x + 3)(x + 8) = 0 \rightarrow (x + 3)(x + 8) = 0 \rightarrow x = -3$ or $x = -8$

2. $(x - 14)(x - 6) = 0 \rightarrow (x - 14)(x - 6) = 0 \rightarrow x = 14$ or $x = 6$

3. $(x + 2)(x - 20) = 0 \rightarrow (x + 2)(x - 20) = 0 \rightarrow x = -2$ or $x = 20$

4. $(x + 18)(x + 10) = 0 \rightarrow (x + 18)(x + 10) = 0 \rightarrow x = -18$ or $x = -10$

5. $(x - 9)(x - 17) = 0 \rightarrow (x - 9)(x - 17) = 0 \rightarrow x = 9$ or $x = 17$

6. $(x + 11)(x - 16) = 0 \rightarrow (x + 11)(x - 16) = 0 \rightarrow x = -11$ or $x = 16$

7. $(x - 3)(x - 1) = 0 \rightarrow (x - 3)(x - 1) = 0 \rightarrow x = 3$ or $x = 1$

8. $(x + 15)(x + 4) = 0 \rightarrow (x + 15)(x + 4) = 0 \rightarrow x = -15$ or $x = -4$