

5.12

Solving Equations by Factoring

Introduction

Solve for x for the following:

1) $5 \bullet x = 0$

2) $x - 3 = 0$


3) $2x - 5 = 0$

Which one can be
equal to zero?

$$a \times b = 0$$

Solve

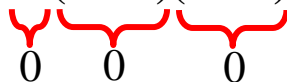
1) $(x-1)(x+3) = 0$



To see if these are correct, you can simply plug these solutions back into the problem to see if it works.

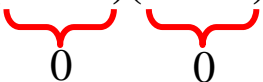
Solve

2) $3n(n-2)(n-5) = 0$



Solve

3) $(5n-2)(3n-4) = 0$



Solve

$$4) 2x^2 + 5x - 12 = 0$$

Solve

$$5) 2x^2 - x = 3$$

Solve

$$6) 18y^3 + 66y^2 - 24y = 0$$

Solve

$$7) 5a^2 = 80$$