

Solving Quadratic Equations: Left Side is Factored...

Solve each equation by factoring.

1) $(3x - 8)(x + 4) = 0$

2) $(r - 5)(8r + 1) = 0$

3) $(x - 3)(x + 6) = 0$

4) $(v + 4)(8v + 3) = 0$

5) $x(x + 12) = -32$

6) $n(n + 8) = -15$

7) $(m + 3)(m + 8) = -6$

8) $(n - 4)(n + 3) = 18$

9) $(x - 3)(x - 1) = 8$

10) $(r - 5)(r + 3) = 33$

11) $(5n + 3)(n + 4) = -12$

12) $(3k - 8)(k + 1) = -6$

Answers to Solving Quadratic Equations: Left Side is Factored...

1) $\left\{\frac{8}{3}, -4\right\}$

5) $\{-4, -8\}$

9) $\{5, -1\}$

2) $\left\{5, -\frac{1}{8}\right\}$

6) $\{-3, -5\}$

10) $\{8, -6\}$

3) $\{3, -6\}$

7) $\{-5, -6\}$

11) $\left\{-\frac{8}{5}, -3\right\}$

4) $\left\{-4, -\frac{3}{8}\right\}$

8) $\{6, -5\}$

12) $\left\{-\frac{1}{3}, 2\right\}$