

Quadratic formula

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Name _____

Date _____

Solve each equation with the quadratic formula.

1) $r^2 - 3r - 18 = 0$

2) $2x^2 + 5x - 3 = 0$

3) $2p^2 - 3p - 14 = 0$

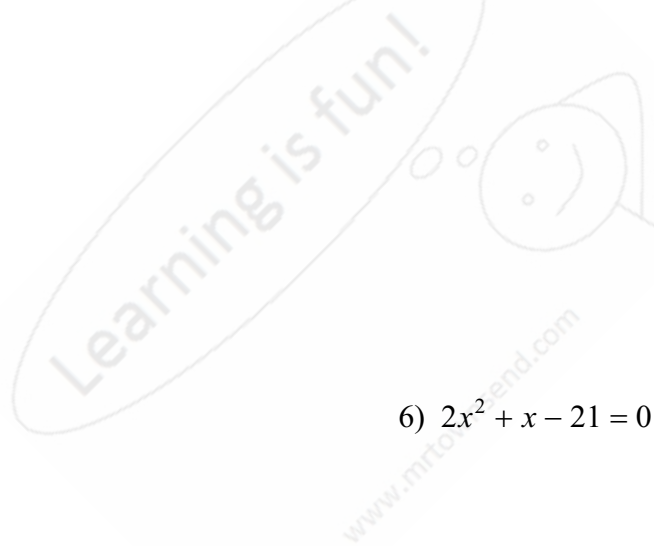
4) $x^2 + x - 20 = 0$

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

6) $2x^2 + x - 21 = 0$

7) $b^2 + 2b - 24 = 0$

8) $x^2 - 2x - 15 = 0$



$$9) 2p^2 - 3p - 20 = 0$$

$$10) 2x^2 + 5x + 2 = 0$$

$$11) n^2 + 2n - 3 = 0$$

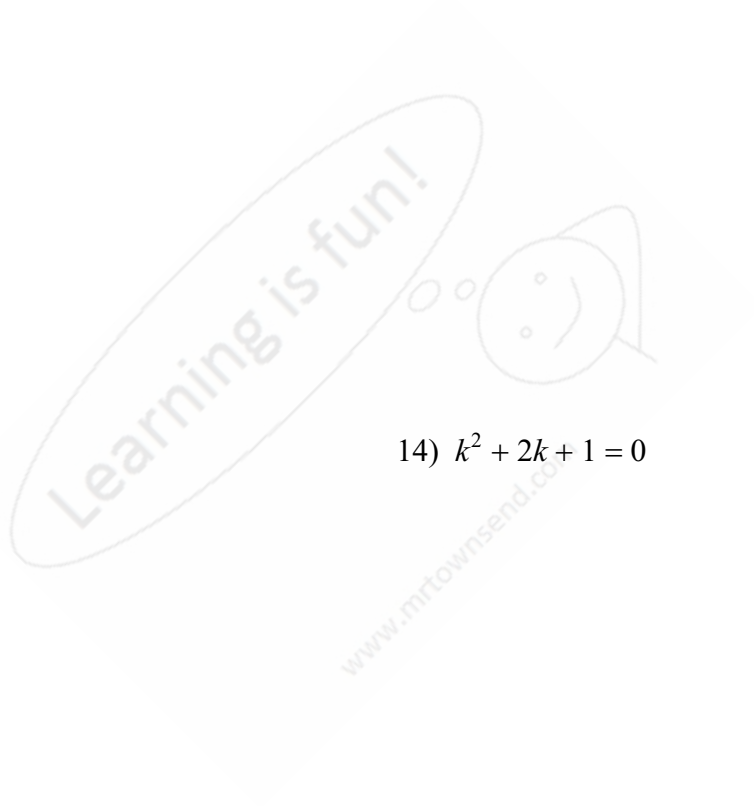
$$12) x^2 + 4x - 21 = 0$$

$$13) p^2 - p - 20 = 0$$

$$14) k^2 + 2k + 1 = 0$$

$$15) 2x^2 - 5x + 2 = 0$$

$$16) 2m^2 + 2m - 4 = 0$$



Answers to Quadratic formula

1) $\{6, -3\}$

5) $\{-1, -4\}$

9) $\left\{4, -\frac{5}{2}\right\}$

13) $\{5, -4\}$

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

6) $\left\{3, -\frac{7}{2}\right\}$

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

14) $\{-1\}$

3) $\left\{\frac{7}{2}, -2\right\}$

7) $\{4, -6\}$

11) $\{1, -3\}$

15) $\left\{2, \frac{1}{2}\right\}$

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

8) $\{5, -3\}$

12) $\{3, -7\}$

16) $\{1, -2\}$

