ALGEBRA 2 · HOMEWORK

Solve Quadratic Equations by Factoring

SCORE / 25

01 Part A · Practice

Write the equation as $ax^2 + bx + c = 0$, factor, and use the Zero-Product Property: if $AB = 0$, then $A = 0$ or $B = 0$.

1 ●○○ Solve by factoring: $x^2 + 2x = 0$.

2 ●○○ Solve by factoring: $9x^2 + 24x + 7 = 0$.

3 ●○○ Solve: $4x^2 = 9x$.

4 ●○○ Solve by factoring: $6x^2 + 11x - 10 = 0$.

5 ●○○ Solve by factoring: $x^2 + 5x - 24 = 0$.

6 ●○○ Solve: $x^2 - 8x + 9 = -6$.

7 ●○○ Solve by factoring: $25x^2 - 20x - 12 = 0$.

8 ●○○ Solve by factoring: $x^2 + 10x + 21 = 0$.

9 ●○○ Solve by factoring: $x^2 + 12x + 32 = 0$.

10 ●○○ Solve by factoring: $6x^2 - 5x - 21 = 0$.

11 ●○○ Solve: $5x^2 = 8x$.

12 ●○○ Solve: $5x^2 = -9x$.

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PREVIEW

Preview - the full worksheet and its answer key are at primeworksheet.com