ALGEBRA 2 · HOMEWORK

Factor a Quadratic Expression

SCORE / 25

01 Part A · Practice

To factor $ax^2 + bx + c$, look for a common factor, then find two numbers with product ac and sum b (or use a special pattern).

1 ●○○ Factor completely: $3x^2 + 3x - 6$.

2 ●○○ Factor $x^2 + 7x + 10$.

3 ●○○ Factor $9x^2 - 9x + 2$.

4 ●○○ Factor completely: $x^2 - 144$.

5 ●○○ Factor $x^2 - 4x - 5$.

6 ●○○ Factor $3x^2 - 8x - 16$.

7 ●○○ Factor $15x^2 + 14x - 49$.

8 ●○○ Factor completely: $4x^2 - 256$.

9 ●○○ Factor $x^2 + 12x + 32$.

10 ●○○ Factor completely: $x^2 - 4$.

11 ●○○ Factor $16x^2 - 32x + 7$.

12 ●○○ Factor $x^2 - x - 30$.

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PREVIEW

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