ALGEBRA 1 · HOMEWORK · ADVANCED

Factor ax2 + bx + c

SCORE / 25

01 Part A · Practice

To factor $ax^2 + bx + c$, find factors of a and c whose cross products add to b (or split bx using ac and group).

1 ●○○ Factor completely. $14x^2 + 3xy - 5y^2$

2 ●○○ Factor. $25x^2 - 25x - 66$

3 ●○○ Factor. $2x^2 + 27x + 70$

4 ●○○ Factor completely. $4x^2 - 37xy + 9y^2$

5 ●○○ Factor. $4x^2 + 32x + 55$

6 ●○○ Factor. $15x^2 + 73x + 66$

7 ●○○ Factor completely. $20x^2 - 39xy + 18y^2$

8 ●○○ Factor. $6x^2 - 25x + 14$

9 ●○○ Factor. $2x^2 + 25x + 50$

10 ●○○ Factor completely. $28x^2 + 57xy - 55y^2$

11 ●○○ Factor. $5x^2 + 27x + 10$

12 ●○○ Factor. $25x^2 - 60x + 27$

PREVIEW

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