Lesson 9.3 Practice: Factoring $ax^2 + bx + c$

School Launch · Algebra I · Unit 9: Factoring · Worksheet A

No calculator

Name _____ Date _____ Score _____ / 10

Show your work under each problem, one step per line, and check your answer. Word problems: name the unknown, write the equation, solve, and answer in a sentence with units.

1. Factor: $3x^2 - 22x + 35$. EASY

2. Factor: $5x^2 - 37x + 42$. EASY

3. Factor: $3x^2 + 16x - 35$. EASY

4. Factor: $5x^2 + 33x + 18$. MEDIUM

5. Factor: $5x^2 - 4x - 12$. MEDIUM

6. Factor: $3x^2 + 14x - 5$. MEDIUM

7. Factor: $5x^2 - 28x - 49$. MEDIUM

8. Factor: $3x^2 - 8x + 4$. HARD

9. Factor: $6x^2 + 5x - 25$. HARD

10. Factor: $6x^2 - 11x + 3$. HARD