

Name : _____

Solving Quadratics Equations by Factoring

Factor each expression.

1. $15x^2 + 141x - 90$

2. $16x^2 - 54x + 35$

3. $24x^2 + 18x - 15$

4. $2x^2 + 27x + 81$

5. $8x^2 - 2x - 1$

6. $3x^2 + 6x - 9$

7. $30x^2 - 27x - 21$

8. $40x^2 + 126x + 44$

9. $5x^2 + 11x + 6$

10. $7x^2 - 9x - 10$

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Solving Quadratics Equations by Factoring

Answers

1. $15x^2 + 141x - 90$

$3(5x - 3)(x + 10)$

2. $16x^2 - 54x + 35$

$(8x - 7)(2x - 5)$

3. $24x^2 + 18x - 15$

$3(2x - 1)(4x + 5)$

4. $2x^2 + 27x + 81$

$(2x + 9)(x + 9)$

5. $8x^2 - 2x - 1$

$(4x + 1)(2x - 1)$

6. $3x^2 + 6x - 9$

$3(x + 3)(x - 1)$

7. $30x^2 - 27x - 21$

$3(2x + 1)(5x - 7)$

8. $40x^2 + 126x + 44$

$2(4x + 11)(5x + 2)$

9. $5x^2 + 11x + 6$

$(5x + 6)(x + 1)$

10. $7x^2 - 9x - 10$

$(7x + 5)(x - 2)$