

Name : _____

Factoring Expressions of the form $ax^2 + bx + c$

Factor each expression.

1 $20x^2 - 115x - 30$

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

3 $4x^2 + 11x - 3$

4 $4x^2 - 12x + 8$

5 $12x^2 + 38x + 6$

6 $36x^2 + 27x - 55$

7 $6x^2 - 10x - 4$

8 $8x^2 - 16x - 90$

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

10 $8x^2 + 11x - 10$

Name :

Factoring Expressions of the form $ax^2 + bx + c$

Answers

1 $20x^2 - 115x - 30$

$5(4x + 1)(x - 6)$

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

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

3 $4x^2 + 11x - 3$

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

4 $4x^2 - 12x + 8$

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

5 $12x^2 + 38x + 6$

$2(6x + 1)(x + 3)$

6 $36x^2 + 27x - 55$

$(3x + 5)(12x - 11)$

7 $6x^2 - 10x - 4$

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

8 $8x^2 - 16x - 90$

$2(2x + 5)(2x - 9)$

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

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

10 $8x^2 + 11x - 10$

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