

Name:

Date: Score:

Factoring Completely

Factor each expression completely.

1 $25x^2 - 16$

2 $16x^2 - 1$

3 $x^2 - 5x + 6$

4 $5x^2 - 45$

5 $2x^2 + 3x - 5$

6 $4x^2 - 5x + 1$

7 $4x^2 - 24x - 28$

8 $x^2 + 13x + 40$

9 $x^2 + 17x + 72$

10 $5x^2 + 15x + 10$

Name:

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Factoring Completely

Answers

1 $25x^2 - 16$

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

2 $16x^2 - 1$

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

3 $x^2 - 5x + 6$

$(x - 3)(x - 2)$

4 $5x^2 - 45$

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

5 $2x^2 + 3x - 5$

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

6 $4x^2 - 5x + 1$

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

7 $4x^2 - 24x - 28$

$4(x - 7)(x + 1)$

8 $x^2 + 13x + 40$

$(x + 5)(x + 8)$

9 $x^2 + 17x + 72$

$(x + 9)(x + 8)$

10 $5x^2 + 15x + 10$

$5(x + 2)(x + 1)$