

Name : _____

Score : _____ Date : _____

Factoring Practice

Factor each expression.

① $x^2 + 9x + 20$

② $x^2 - 15x + 36$

③ $16x^2 - 40x - 24$

④ $5x^2 - 42x - 27$

⑤ $9x^2 - 16y^2$

⑥ $2x^3 + 128y^3$

⑦ $30x^2y - 87xy + 30y$

⑧ $5x + 20x^2 + 20x^3$

Name : _____

Score : _____ Date : _____

Factoring Practice

Answers

① $x^2 + 9x + 20$

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

② $x^2 - 15x + 36$

$(x - 12)(x - 3)$

③ $16x^2 - 40x - 24$

$8(2x + 1)(x - 3)$

④ $5x^2 - 42x - 27$

$(5x + 3)(x - 9)$

⑤ $9x^2 - 16y^2$

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

⑥ $2x^3 + 128y^3$

$2(x + 4y)(x^2 - 4xy + 16y^2)$

⑦ $30x^2y - 87xy + 30y$

$3y(2x - 5)(5x - 2)$

⑧ $5x + 20x^2 + 20x^3$

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