

Name : _____

Factoring Quadratic Expressions

ES2

Factorize each quadratic expression.

1) $a^2 - 2ab + b^2$

2) $15m^2 - 20m$

3) $w^2 - 16$

5) $h^2 + 24h$

7) $5t^2 + 21st + 14s^2$

9) $4u^2 - 9v^2$

10) $q^2 - 3q - 18$

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Answer key

ES2

Factoring Quadratic Expressions

Factorize each quadratic expression.

1) $a^2 - 2ab + b^2$

$(a - b)^2$

2) $15m^2 - 20m$

$5m(3m - 4)$

3) $w^2 - 16$

$(w + 4)(w - 4)$

5) $h^2 + 24h$

$h(h + 24)$

7) $5t^2 + 21st + 14s^2$

$(5t + s)(t + 14s)$

9) $4u^2 - 9v^2$

$(2u + 3v)(2u - 3v)$

10) $q^2 - 3q - 18$

$(q + 3)(q - 6)$

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