

Name : _____

Factoring Quadratic Expressions

ES3

Factorize each quadratic expression.

1) $6y^2 + 13y - 28$

2) $2d^2 - 8cd + 14c$

3) $q^2 - pq - q$

5) $k^2 + 4k + 3$

7) $21a^2 + 12a$

9) $2n^2 + 5mn + 2m^2$

10) $t^2 - 10t + 25$

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Answer key

ES3

Factoring Quadratic Expressions

Factorize each quadratic expression.

1) $6y^2 + 13y - 28$

$(2y + 7)(3y - 4)$

2) $2d^2 - 8cd + 14c$

$2(d^2 - 4cd + 7c)$

3) $q^2 - pq - q$

$q(q - p - 1)$

5) $k^2 + 4k + 3$

$(k + 3)(k + 1)$

7) $21a^2 + 12a$

$3a(7a + 4)$

9) $2n^2 + 5mn + 2m^2$

$(n + 2m)(2n + m)$

10) $t^2 - 10t + 25$

$(t - 5)^2$

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