

Factoring Trinomials Worksheet

Write each trinomial in factored form (as the product of two binomials).

1 $2n^2 + 3n - 9$

2 $l^2 - 10l + 9$

3 $b^2 + 11b + 18$

4 $2n^2 + 5n + 2$

5 $2q^2 + 14q + 24$

6 $7p^2 + 53p + 28$

7 $-6q^2 - 25q - 25$

8 $3m^2 - 39m + 108$

9 $5p^2 - 31p + 30$

10 $4n^2 - 36n + 56$

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Answers

1 $2n^2 + 3n - 9$

$(2n - 3)(n + 3)$

2 $l^2 - 10l + 9$

$(l - 1)(l - 9)$

3 $b^2 + 11b + 18$

$(b + 2)(b + 9)$

4 $2n^2 + 5n + 2$

$(2n + 1)(n + 2)$

5 $2q^2 + 14q + 24$

$2(q + 4)(q + 3)$

6 $7p^2 + 53p + 28$

$(7p + 4)(p + 7)$

7 $-6q^2 - 25q - 25$

$-(2q + 5)(3q + 5)$

8 $3m^2 - 39m + 108$

$3(m - 9)(m - 4)$

9 $5p^2 - 31p + 30$

$(5p - 6)(p - 5)$

10 $4n^2 - 36n + 56$

$4(n - 7)(n - 2)$