

Name : _____

Worksheet on Factoring Trinomials ($a = 1$)

Write each trinomial as the product of two binomials.

1 $x^2 - 2x - 15$

2 $x^2 - 8x + 15$

3 $r^2 + r - 20$

4 $p^2 - 5p - 14$

5 $x^2 - 14x + 48$

6 $n^2 + 12n + 20$

7 $p^2 - 2p - 80$

8 $q^2 + 16q + 63$

9 $k^2 + 17k + 70$

10 $x^2 - 13x + 36$

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Worksheet on Factoring Trinomials (a = 1)

Answers

1 $x^2 - 2x - 15$

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

3 $r^2 + r - 20$

$(r - 4)(r + 5)$

5 $x^2 - 14x + 48$

$(x - 8)(x - 6)$

7 $p^2 - 2p - 80$

$(p + 8)(p - 10)$

9 $k^2 + 17k + 70$

$(k + 7)(k + 10)$

2 $x^2 - 8x + 15$

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

4 $p^2 - 5p - 14$

$(p + 2)(p - 7)$

6 $n^2 + 12n + 20$

$(n + 10)(n + 2)$

8 $q^2 + 16q + 63$

$(q + 9)(q + 7)$

10 $x^2 - 13x + 36$

$(x - 4)(x - 9)$