

Name : _____

Worksheet - Factoring Trinomials

1 $2p^2 + 6p - 108$

2 $7b^2 + 53b + 28$

3 $6x^2 + 7x - 49$

4 $3p^2 - 3p - 36$

5 $5q^2 + 19q + 12$

6 $x^2 + 12x - 13$

7 $3x^2 - 12x - 135$

8 $5m^2 - 11m - 12$

9 $56p^2 + 64p + 8$

10 $25s^2 + 30s - 16$

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Answers

1 $2p^2 + 6p - 108$ $2(p - 6)(p + 9)$ -----	2 $7b^2 + 53b + 28$ $(7b + 4)(b + 7)$ -----
3 $6x^2 + 7x - 49$ $(3x - 7)(2x + 7)$ -----	4 $3p^2 - 3p - 36$ $3(p + 3)(p - 4)$ -----
5 $5q^2 + 19q + 12$ $(5q + 4)(q + 3)$ -----	6 $x^2 + 12x - 13$ $(x + 13)(x - 1)$ -----
7 $3x^2 - 12x - 135$ $3(x - 9)(x + 5)$ -----	8 $5m^2 - 11m - 12$ $(5m + 4)(m - 3)$ -----
9 $56p^2 + 64p + 8$ $8(7p + 1)(p + 1)$ -----	10 $25s^2 + 30s - 16$ $(5s + 8)(5s - 2)$ -----