

Factoring: Trinomials of the form x^2+bx+c

(Trinomials part 1)

Factor the trinomials completely.

1. $x^2 - 3x - 28$

7. $2x^2 - 2x - 24$

2. $y^2 + 16y + 48$

8. $a^2 - 10a + 24$

3. $m^2 - 11m + 24$

9. $y^2 + 19y + 78$

4. $x^2 + 12x + 36$

10. $3m^2 + 6m - 24$

5. $a^2 + 9a - 36$

11. $x^2 + 13x - 48$

6. $x^2 + 2x - 48$

12. $x^2 + 5xy + 6y^2$

ANSWERS:

1. $(x-7)(x+4)$

4. $(x+6)(x+6)$

7. $2(x-4)(x+3)$

10. $3(m-2)(m+4)$

2. $(y+4)(y+12)$

5. $(a+12)(a-3)$

8. $(a-6)(a-4)$

11. $(x-3)(x+16)$

3. $(m-8)(m-3)$

6. $(x+8)(x-6)$

9. $(y+13)(y+6)$

12. $(x+2y)(x+3y)$