

Factoring Trinomials & Binomials - Practice

Simplify the following problems. Factor completely.

1. $6x^2 - 3x$

2. $6x^2 - 216y^2$

3. $2x^2 - 11x + 15$

4. $6x^2 + 19x + 15$

5. $25x^2 - 49$

6. $x^2 + 6 - 7x$

7. $3x + 28 - x^2$

8. $-x^2 + 3x + 28$

9. $5x^2 + 20x + 20$

10. $-x^2 + 7x - 10$

Solutions:

1. $3x(2x - 1)$ 2. $(x + 1)(x - 3)$ 3. $(2x - 5)(x - 3)$ 4. $(3x + 5)(2x + 3)$
5. $(2x - 5)(x - 3)$ 6. $(x - 1)(x - 6)$ 7. $(x + 4)(x - 7)$
8. $(x + 4)(x - 7)$ 9. $(x + 2)^2$ 10. $(x - 2)(x - 5)$