

More about Factorization

5. Factorize the following polynomials.

(a) $x^2 + 9x + 20$

(b) $y^2 + y - 72$

6. Factorize the following polynomials.

(a) $2x^2 + 3x + 1$

(b) $5x^2 + 7x - 6$

(c) $6a^2 - 2 - a$

(d) $6y + 7 - y^2$

7. Factorize the following polynomials.

(a) $14b^2 - 13b + 3$

(b) $16p^2 + 26p + 9$

(c) $23y - 10y^2 - 12$

8. Factorize the following polynomials.

(a) $t^2 - 9st + 14s^2$

(b) $16(y + 5)^2 + 30(y + 5) + 9$

9. Factorize the following polynomials.

(a) $2x^2 + 2x - 24$

(b) $6x^2 + 9x - 60$

(c) $54(3 - k^2)^2 - 96(3 - k^2) - 24$

10. Factorize the following polynomials.

(a) $t^3 - 8$

(b) $192x^3 - 375y^3$

11. Factorize the following polynomials.

(a) $2m^3 + 16n^3$

(b) $125 + a^3c^3$