

IDENTITIES

DRAG AND DROP THE CORRECT ANSWER.

1. $(a + b)^2 =$
2. $(a - b)^2 =$
3. $(a + b)(a - b) =$
4. $(x + a)(x + b) =$
5. $(a + b)^3 =$
6. $(a - b)^3 =$
7. $(x + y + z)^2 =$
8. $x^3 + y^3 + z^3 - 3xyz =$
9. $x^3 + y^3 =$
10. $x^3 - y^3 =$

ANSWERS

$$a^2 - b^2$$

$$x^2 + (a + b)x + ab$$

$$a^3 + b^3 + 3ab(a + b)$$

$$(x + y + z)(x^2 + y^2 + z^2 - xy - yz - xz)$$

$$(x + y)(x^2 - xy + y^2)$$

$$a^2 + 2ab + b^2$$

$$a^2 - 2ab + b^2$$

$$x^2 + y^2 + z^2 + 2xy + 2yz + 2xz$$

$$(x - y)(x^2 + xy + y^2)$$

$$a^3 - b^3 - 3ab(a - b)$$