IT'S ALL ABOUT ALGEBRA!
(Test Yourself)

#PRODUCT AND FACTORING FORMULAS:

>EXERCISES

1. $(a+b)^2 = a^2 + 2ab + b^2$
Answer:

2. $(a-b)^2 = a^2 - 2ab + b^2$
Answer :

3. $(a+b)^2 = (a-b)^2 + 4ab$
Answer :

4. $(a-b)^2 = (a+b)^2 - 4ab$
Answer :

5. $a^2 + b^2 = (a+b)^2 - 2ab$
Answer :

6. $a^2 + b^2 = (a-b)^2 + 2ab$
Answer :

7. $a^2 - b^2 = (a+b)(a-b)$
Answer :

8. $ab = ¼ \{ (a+b)^2 - (a-b)^2 \}$
Answer :

9. $a^2 + b^2 = ½ \{ (a+b)^2 + (a-b)^2 \}$
Answer :

11. $(a+b+c)^2 = a^2 + b^2 + c^2 + 2ab + 2bc + 2ca$
Answer :

12. $(a+b)^3 = a^3 + 3a^2b + 3ab^2 + b^3$
Answer :

13. $a^3 + b^3 = (a+b)^3 - 3ab\,(a+b)$
Answer :

14. $a^3 - b^3 = (a-b)^3 + 3ab(a-b)$
Answer :

15. $a^3+b^3 = (a+b)\,(\,a^2-ab + b^2\,)$