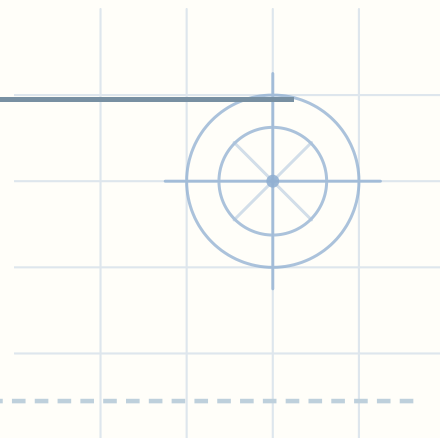


Difference of two squares — X^2 minus a square

Name: _____

Date: _____

Each one is a difference of two squares. Fill in the missing number.



1 $x^2 - 25 = (x + \underline{\quad}) (x - \underline{\quad})$

2 $x^2 - 576 = (x + \underline{\quad}) (x - \underline{\quad})$

3 $x^2 - 196 = (x + \underline{\quad}) (x - \underline{\quad})$

4 $x^2 - 16 = (x + \underline{\quad}) (x - \underline{\quad})$

5 $x^2 - 100 = (x + \underline{\quad}) (x - \underline{\quad})$

6 $x^2 - 625 = (x + \underline{\quad}) (x - \underline{\quad})$

7 $x^2 - 1024 = (x + \underline{\quad}) (x - \underline{\quad})$

8 $x^2 - 64 = (x + \underline{\quad}) (x - \underline{\quad})$

9 $x^2 - 961 = (x + \underline{\quad}) (x - \underline{\quad})$

10 $x^2 - 9 = (x + \underline{\quad}) (x - \underline{\quad})$



Difference of two squares · X^2 minus a square — Answer key

1. $x^2 - 25 = (x + 5)(x - 5)$
(25 is 5 squared, so the two brackets are $(x + 5)$ and $(x - 5)$)

5. $x^2 - 100 = (x + 10)(x - 10)$ (100 is 10 squared, so the two brackets are $(x + 10)$ and $(x - 10)$)

9. $x^2 - 961 = (x + 31)(x - 31)$ (961 is 31 squared, so the two brackets are $(x + 31)$ and $(x - 31)$)

2. $x^2 - 576 = (x + 24)(x - 24)$ (576 is 24 squared, so the two brackets are $(x + 24)$ and $(x - 24)$)

6. $x^2 - 625 = (x + 25)(x - 25)$ (625 is 25 squared, so the two brackets are $(x + 25)$ and $(x - 25)$)

10. $x^2 - 9 = (x + 3)(x - 3)$ (9 is 3 squared, so the two brackets are $(x + 3)$ and $(x - 3)$)

3. $x^2 - 196 = (x + 14)(x - 14)$ (196 is 14 squared, so the two brackets are $(x + 14)$ and $(x - 14)$)

7. $x^2 - 1024 = (x + 32)(x - 32)$ (1024 is 32 squared, so the two brackets are $(x + 32)$ and $(x - 32)$)

4. $x^2 - 16 = (x + 4)(x - 4)$ (16 is 4 squared, so the two brackets are $(x + 4)$ and $(x - 4)$)

8. $x^2 - 64 = (x + 8)(x - 8)$ (64 is 8 squared, so the two brackets are $(x + 8)$ and $(x - 8)$)

