

# Difference of squares

Wednesday, December 16, 2020

11:15 AM

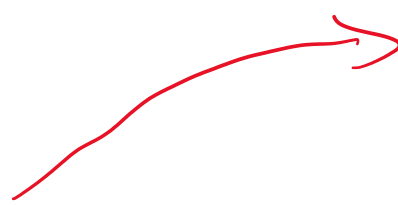
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$$a^2 - b^2 = (a + b)(a - b)$$



1)  $x^2 - 25$

$$= x^2 - 5^2$$



$$5^2 = 25$$

$$= x^2 - 5^2$$

Use

$$= (x - 5)(x + 5)$$

2)  $49x^2 - 100$

$$= 49x^2 - 10^2$$

$$= 7^2x^2 - 10^2$$

$$= (7x)^2 - 10^2$$

$$* = (7x - 10)(7x + 10)$$

use