

Wednesday 10/04

• SAT

If $\sqrt{x} + \sqrt{9} = \sqrt{64}$, what is the value of x ?

A) $\sqrt{5}$

B) 5

C) 25

D) 55

$$\sqrt{25} + \sqrt{9} = \sqrt{64}$$

$$5 + 3 = 8 \checkmark$$

$$\sqrt{a} + \sqrt{b} \neq \sqrt{a+b}$$

$$\sqrt{a} \cdot \sqrt{b} = \sqrt{a \cdot b} \checkmark$$

$$4x^2 - 9 = (px + t)(px - t)$$

In the equation above, p and t are constants.

Which of the following could be the value of p ?

A) 2

B) 3

C) 4

D) 9

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

$$\underline{4x^2 - 9} = (2x - 3)(2x + 3)$$