

Warm-up

Write down all the perfect squares you know.

1, 4, 9, 16, 25, 36, 49, 64, 81, 100,

121, 144, 169, 196, 225, 256, 289, 324, 361, 400

2.7 Square Roots

If $3^2 = 9$, then 3 is the square root of 9. $\sqrt{9} = 3$

$$\sqrt{49} = 7 \quad (7^2 = 49)$$

$$\sqrt{4} = 2 \quad (2^2 = 4)$$

$$\pm \sqrt{36} = \pm 6 \quad (\text{means } +6 \text{ or } -6)$$

are outside of $\sqrt{\quad}$

\sqrt{a} , $\sqrt{\quad}$ is the radical sign
 a is the radicand

$$\sqrt{-16} = \text{So } \underline{\quad} \cdot \underline{\quad} = -16 ?$$

$$4 \cdot 4 = 16$$

$$-4 \cdot -4 = 16$$

NOT POSSIBLE

Plot without a calc.

$$\sqrt{32}$$

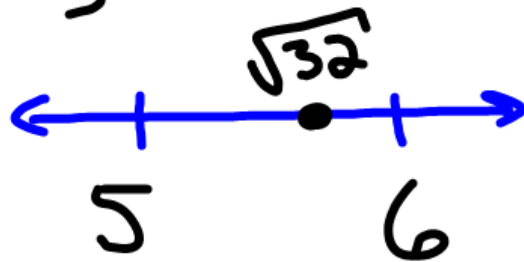
*Humm... between

$$\sqrt{25}$$

5

$$\sqrt{36}$$

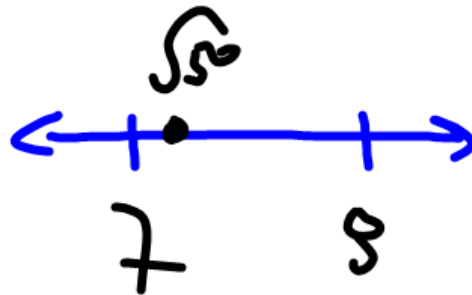
6



$$\sqrt{50}$$

$$\sqrt{49}$$

$$\sqrt{64}$$



$$\sqrt{71}$$

$$\sqrt{64}$$

$$\sqrt{81}$$

