

## Locating Square Roots

By using only the squaring button on a calculator check whether these statements are true or false and explain why.

$$4.78 < \sqrt{23} < 4.79$$

Explanation

$4.78^2 = 22.8484$ ,  $4.79^2 = 22.9441$ . So 23 not within the range of  $4.78^2$  and  $4.79^2$ . So the statement is false.

$$9.47 < \sqrt{89.8} < 9.48$$

Explanation

$$94.752 < \sqrt{8978} < 94.753$$

Explanation

$$0.945 > \sqrt{0.895} > 0.944$$

Explanation

$$28.088 < \sqrt{789.02}$$

Explanation

$$0.00446 > \sqrt{0.00002}$$

Explanation