Square Root Notes

A square root of a number is one of its two equal factors, which means if $x^2 = y$, then x is the square root of y.

Every positive number has both a positive and negative square root.

A radical symbol **\(\bigcup \)** is used to indicate a square root.

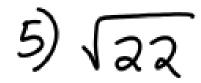
The opposite of squaring a number is finding the square root.

Perfect squares are the squares of integers. Below is the list of the

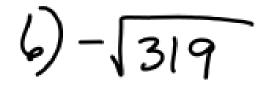
first 15 perfect squares.

Find each square root.

Estimate each square root to the nearest integer.



Estimate each square root to the nearest integer.



Given the area of the square, find the length of the side and then the perimeter of the square.

Round to the nearest tenth.

Area =
$$350 \text{ ft}^2$$

$$\frac{\times 4}{74.8 \text{ ft}} \text{ is perimeter}$$