

SUPER PYTHAGOREAN THEOREM

- To find the distance between the corners in a rectangular solid or cube, you can use the Super Pythagorean Theorem

$$a^2 + b^2 + c^2 = d^2$$

What is the distance between the two farthest corners in a rectangular solid with a length of 6 ft., width of 2 feet, and height of 3 feet?

What is the distance between the farthest corners in a cube with $s = \sqrt{3}$ m?

What are the side lengths of a cube if the distance between its farthest corners is $4\sqrt{3}$ in.?