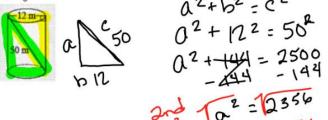
## Day 3: Pythagorean Theorem within Shapes Lesson



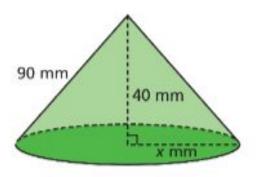
Find the missing side length (hypotenuse) of a right triangle. Within the shape, find the right triangle. Then, use pythagorean theorem.

A 50 m rope is attached inside an empty cylindrical wheat silo of diameter 12m as shown. How high is the wheat silo?  $Q^2 + Q^2 = C^2$ 



Directions: Find the value of the unknown measurement in each shape. Show all of your work and round to the nearest hundredth.





## Lesson Extra Practice Resources:

## Online Activity:

Khan Academy Extra Practice

## Video:

Khan AcademyPythagorean Theorem in 3D
Video