

2020Q1

(2D GEOMETRY, 3D GEOMETRY)

One Energy is building a concrete foundation for a wind turbine. The foundation is a regular octagon with a depth of 4 feet. 300 cubic yards of concrete are used to create the foundation. One cubic yard of concrete weighs 4,050 lb.

Level 1: What does the foundation weigh?

Level 2: How long is each side of the octagon?

