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1. The minute hand of a clock is 2.4 cm long. How far does the tip of the minute hand travel in 20 minutes?
 2. The pendulum on a grandfather clock swings from side to side once every second. If the length of the pendulum is 4 feet and the angle through which it swings is 20° , how far does the tip of the pendulum travel in 1 second?
 3. From the earth, the moon subtends an angle of approximately 0.5° . If the distance to the moon is approximately 240,000 miles, find an approximation for the diameter of the moon accurate to the nearest hundred miles.
 4. A lawn sprinkler is located at the corner of a yard. The sprinkler is set to rotate through 90° and project water out 60 feet. What is the area of the yard watered by the sprinkler?
 5. The Mavic Ksyrium Elite wheel, which has a diameter of 700 millimeters, has 18 spokes evenly distributed around the rim of the wheel. What is the length of the rim subtended by adjacent spokes?