

Review 101 Test

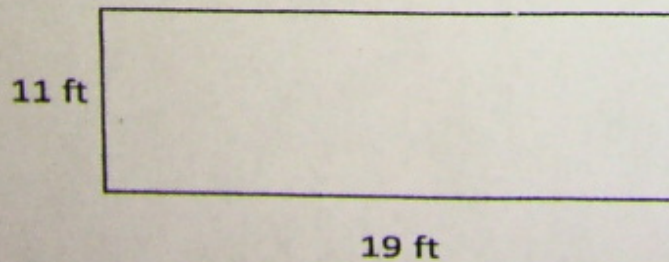
Conversions, Surface Area & Volume

1. Calculate the following conversions:

- a) 45 mi. _____ km
- b) 75 in. _____ cm
- c) 37g _____ kg
- d) 26 oz _____ lb
- e) 3000 yd _____ mi

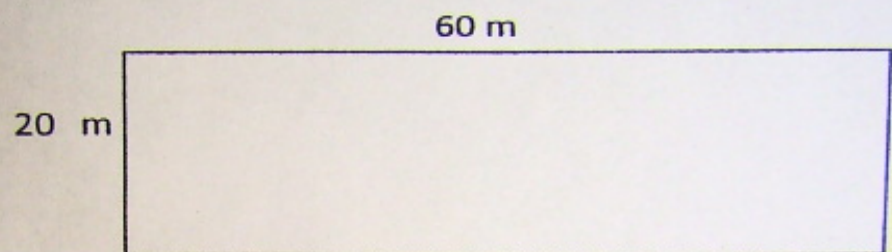
2. Calculate the following perimeters:

a) Calculate in inches

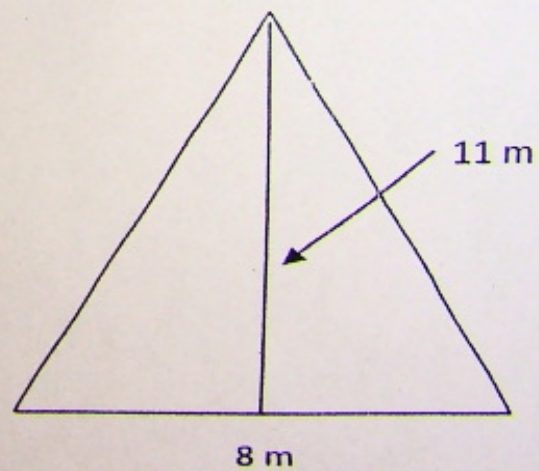


3. Calculate the following areas in the indicated measurements:

a) inches



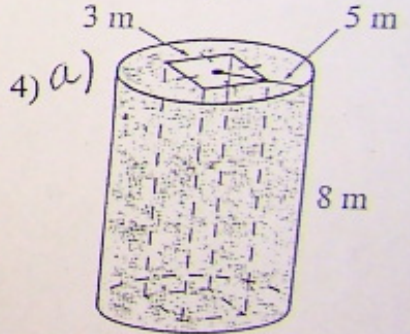
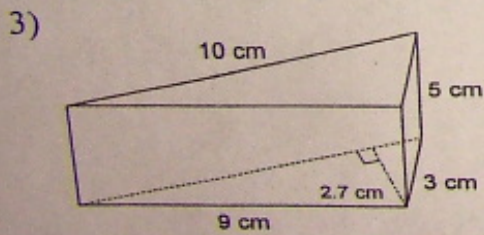
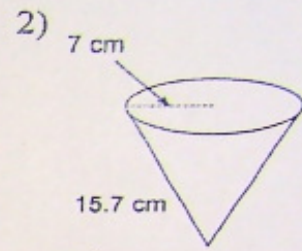
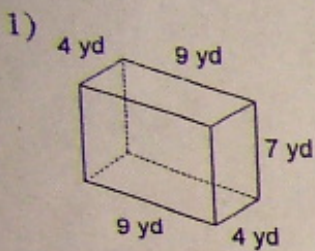
b) feet



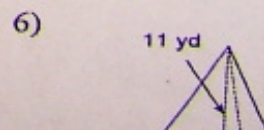
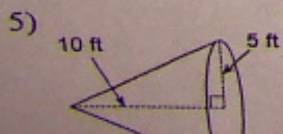
the surface area of each figure. Round to the nearest tenth.

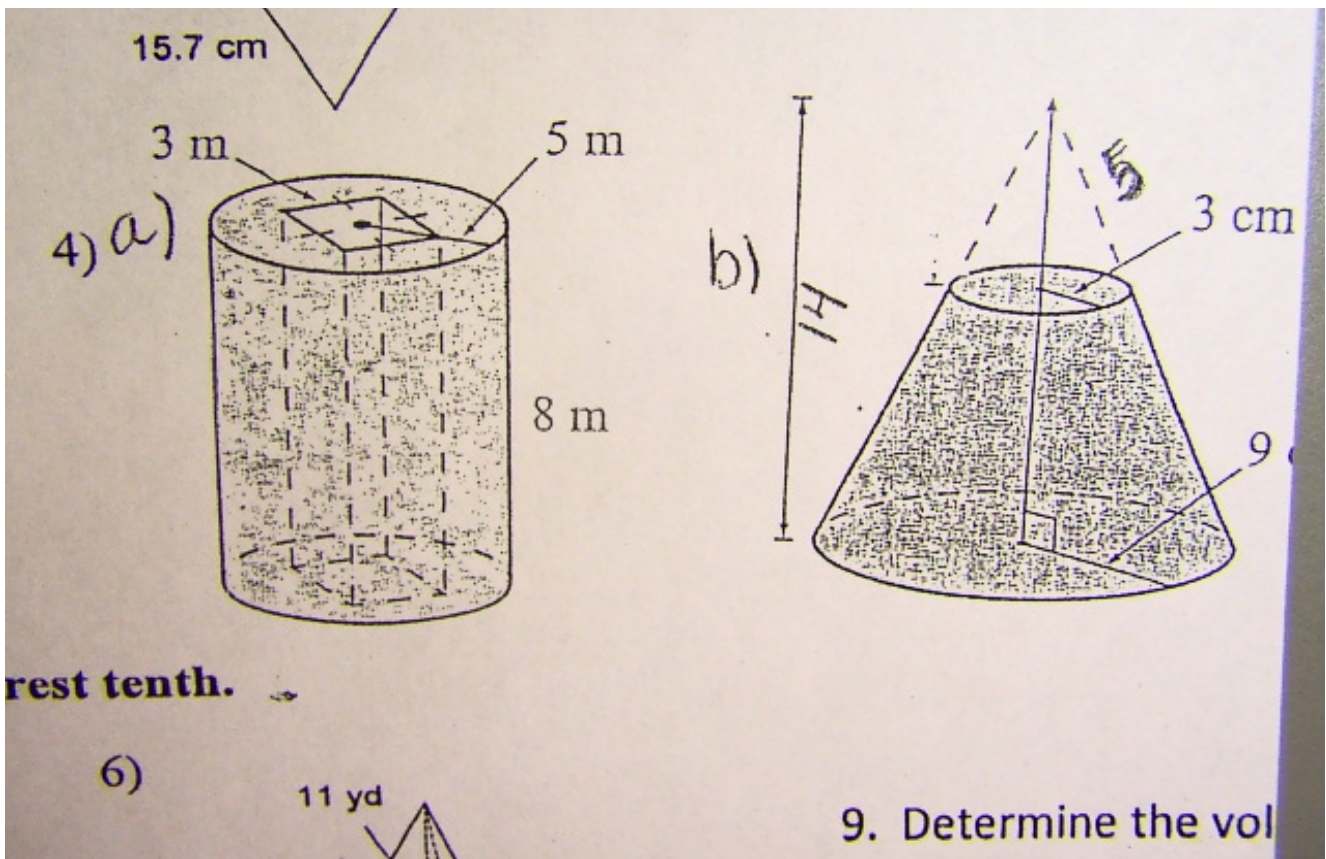
8 m

Find the surface area of each figure. Round to the nearest tenth.

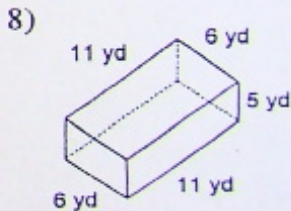
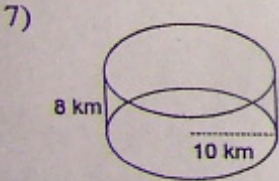
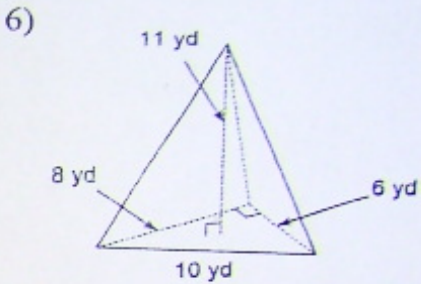
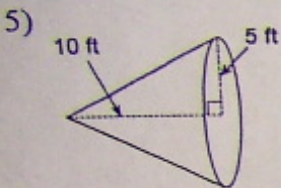


Find the volume of each figure. Round to the nearest tenth.

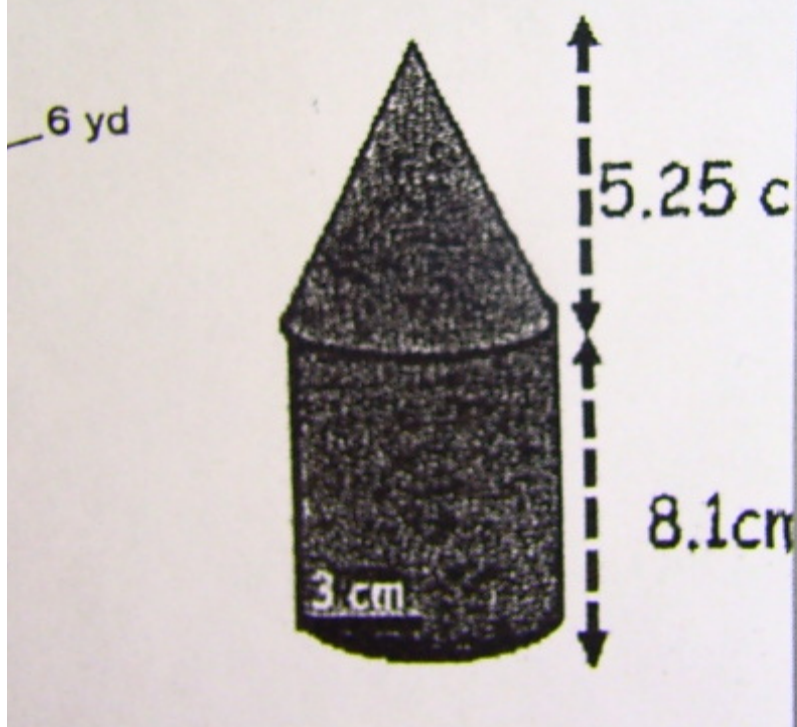




Find the volume of each figure. Round to the nearest tenth.



9. Determine the vol



10. Perform the following conversions:

- a) 30° Celsius = _____ degrees Fahrenheit
- b) 77° Fahrenheit = _____ degrees Celsius
- c) 5 US gallons = _____ L
- d) A can of tomatoes holds 5.5 fl oz. Your recipe calls for 225 ml of tomatoes. Will you have enough?
- e) You decide to visit a friend in California. She tells you that she lives 1300 miles away. Your odometer tells you that you have already travelled 800 km. How much further do you have to go in Km?

11. Jennifer is installing a circular custom garden pond in her backyard. The pond is 2 feet deep and has a diameter of 5 feet. Jennifer needs to install a synthetic rubber liner along the walls and the base of the pond.
- How much synthetic rubber should Jennifer order for her pond?
 - If the liner costs $\$8.50/\text{ft}^2$, how much will the liner cost Jennifer?

