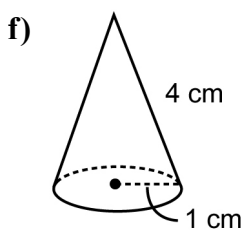
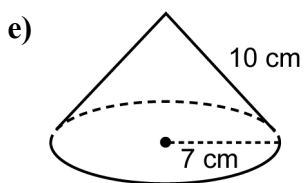
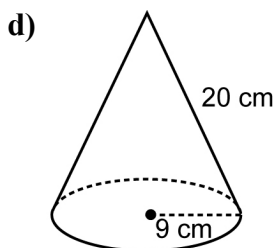
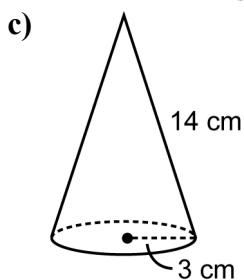
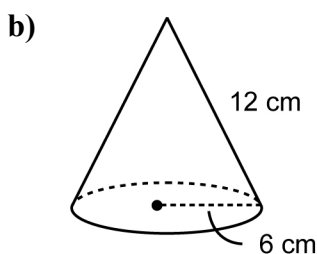
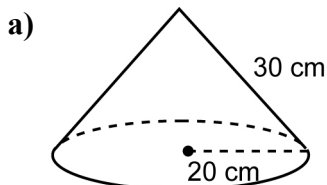


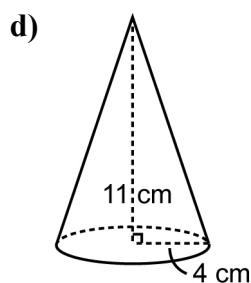
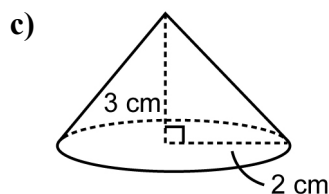
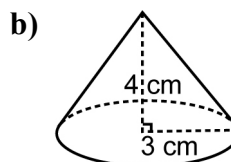
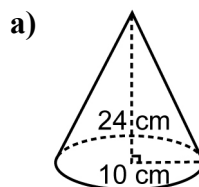
**Practice: Surface Area of a Cone**

For all questions, round your answer to the nearest tenth of a unit when necessary.

1. Find the surface area of each cone.



2. Find the slant height of each cone, then find the surface area of the cone.



3. Cone A has base radius 5 cm and height 7 cm. Cone B has base radius 7 cm and height 5 cm.

- a) Find the slant height of each cone.  
 b) Find the surface area of each cone.  
 c) Explain why the surface areas in part b are not equal.

4. Cone A has base radius 4 cm and slant height 5 cm. Cone B has base radius 4 cm and slant height 10 cm. Is the surface area of cone B double the surface area of cone A? How do you know?

5. Find the surface area of a cone with base diameter 12 cm and height 8 cm.