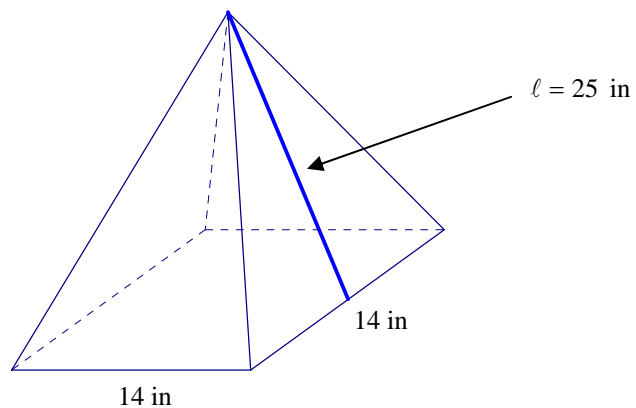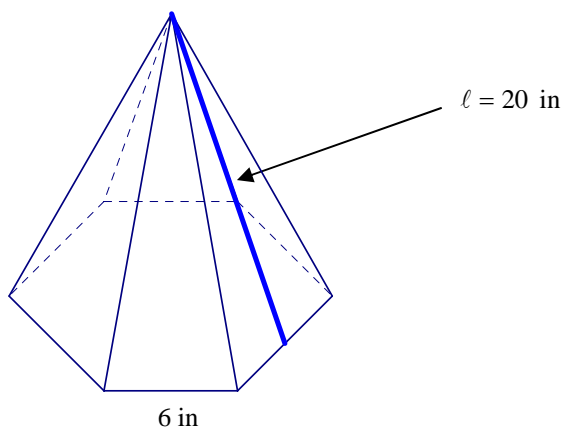Name _____   Period _____   Date _____

Answer the following. Be sure to include units. (Figures may not be drawn to scale.)

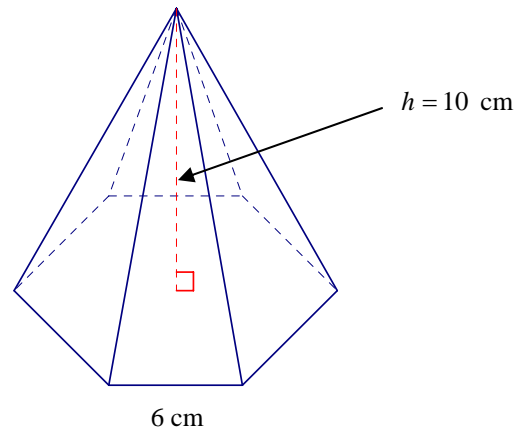1. Given the following right pyramid with a square base,

$\ell = 25$ in

14 in

14 in

a) Find the lateral area.
b) Find the total surface area.
c) Find the volume.

2. Given the following regular right pyramid,

$\ell = 20$ in

6 in

a) Find the lateral area.
b) Find the total surface area.
c) Find the volume.

3. Given the following regular right pyramid,

$h = 10$ cm

6 cm

   a) Find the lateral area.
   b) Find the total surface area.
   c) Find the volume.

4. A right pyramid with a square base has a height of 10 cm and a volume of 120 cm^3.
   a) Find the dimensions of the base.
   b) Find the slant height.
   c) Find the total surface area.

5. A right pyramid with a square base has a slant height of 8 in and a lateral area of 80 in^2.
   a) Find the dimensions of the base.
   b) Find the height.
   c) Find the volume.