1. Sketch each angle given in radian measure in standard position in the Cartesian Plane.
   (a) $\pi/6$  
   (b) $-11\pi/6$  
   (c) 1

2. Consider the right triangle below.

(a) On the figure, indicate the missing side length.
(b) Find $\sin(\theta)$
(c) Find $\cos(\theta)$
(d) Find $\tan(\theta)$
(e) Find $\cot(\theta)$

3. Use a calculator to find the approximate value. Give the keystrokes you used.
   (a) $\cos(180)$
   (b) $\csc(70^\circ)$

4. Make a labeled drawing and give a formula for the volume $V$ in terms of height $h$ alone of a right pyramid with a square base whose side length is the same as the height of the pyramid.

5. Use the method of reduction to (i) write each of the following in terms of the sine of first quadrant angles, and (ii) evaluate in terms of the standard values.
   (a) $\cos(-27\pi/4)$
   (b) $\tan(14\pi/3)$