Geometry MT 6

Level 4

Answer the following questions and show all work. Use must show knowledge of trig or 30-60-90, 45-45-90 triangles.

1. Find the area of a regular pentagon where all the sides are 9 inches.
2. Find the area of an equilateral triangle where all the sides are 4 inches.
3. Find the area of a regular hexagon whose radius is 10 inches.
4. Find the area of a square that has a diagonal of 12 inches.
5. Find the area of a regular decagon where all the sides are 1 inch.
6. Textbook page 384 #’s 35, 36, 37