What Type of Triangle am I?

Tell whether each triangle is isosceles, scalene or equilateral.
Then explain your thinking (for example, write "because two sides are equal")

1. My sides measure 3 cm, 5 cm and 3 cm. What type of triangle am I?
   ISosceles

2. My sides measure 4 cm, 8 cm and 5 cm. What type of triangle am I?
   Scalene

3. My sides measure 5 cm, 5 cm and 5 cm. What type of triangle am I?
   equiliateral

4. My sides measure 12 in, 15 in and 15 in. What type of triangle am I?
   ISosceles

5. My sides measure 200 in, 300 in and 400 in. What type of triangle am I?
   Scalene

6. (Two of my sides measure 14 cm and 17 cm.) All my sides add up to 45cm. What type of triangle am I?
   ISosceles

Tell whether each triangle is acute, right, or obtuse.
Then explain your thinking (for example, write "because the biggest angle is acute")

1. My angles measure 30°, 60°, and 90°. What type of triangle am I?
   Right

2. My angles measure 83°, 27°, and 70°. What type of triangle am I?
   Acute

3. My angles measure 45°, 77°, 58°. What type of triangle am I?
   Acute

4. My angles measure 105°, 25°, and 50°. What type of triangle am I?
   obtuse

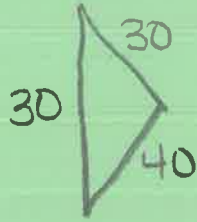5. My angles measure 45°, 90°, and 45°. What type of triangle am I?
   Right

Solve the word problems below.

1. Jim has a pool in the shape of a triangle. If the sum of the sides of the pool is 100 ft and one of the sides of the pool measures 30 ft and another measures 40 ft. What type of triangle is the pool shaped like?

Hint: Draw a picture!
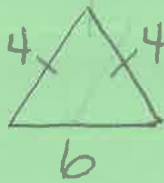
isosceles   30

30

40

$30 + 40 = 70$

100
$- \ 70$
30

2. If the sum of the sides of an equilateral triangle is 45 centimeters, what does each side measure?

$45 \div 3 = 15$

↳ 15cm.   15cm   15cm

3. If one side of an isosceles triangle measures 4 meters and another side measures 6 meters, what could the remaining side measure? (Give all possible answers!)

4   4   6

4   4
6

or

4   6
6