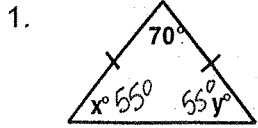


- Homework -

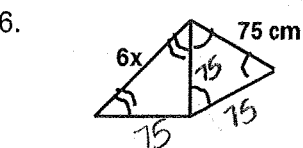
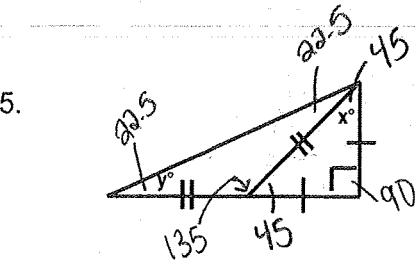
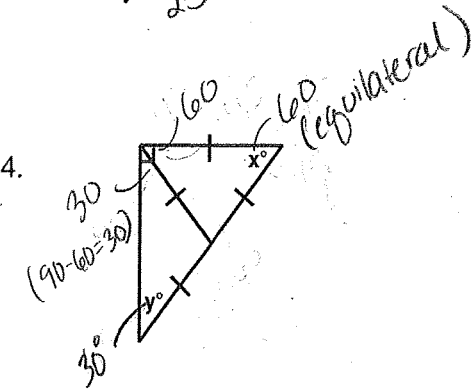
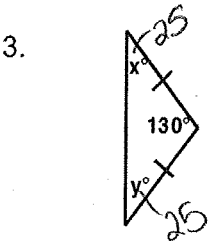
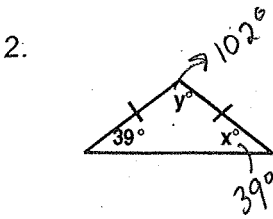
Name: Answer
 Period: _____ Date: _____

Isosceles, Equilateral Triangles

Use the information provided in the drawing to find x and/or y.



$$180 - 70 = 110 / 2 =$$



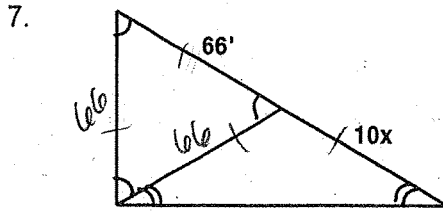
$$75^2 + 75^2 = c^2$$

$$11,250 = c^2$$

$$106.06 = c$$

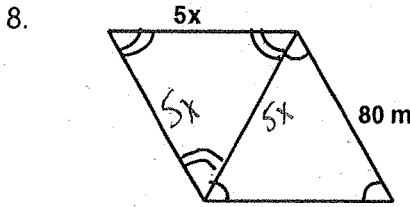
$$x = 17.68$$

$$\frac{6x}{1} = \frac{106.06}{6}$$



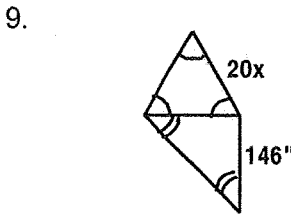
$$10x = 66.6$$

$$x = 6.66$$



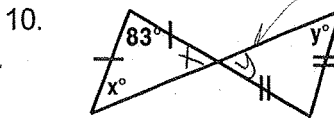
$$5x = 80$$

$$x = 16$$



$$20x = 146$$

$$x = 7.3$$



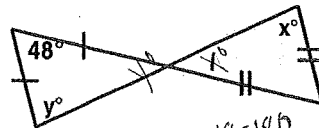
$$2x + 83 = 180$$

$$2x = 97$$

$$x = 48.5$$

$x = y$ because they are vertical

11. NOT drawn to scale

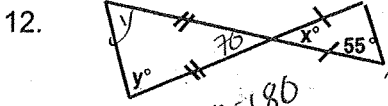


$$2y + 48 = 180$$

$$2y = 132$$

$$y = 66$$

$$x = y$$



$$2y + 70 = 180$$

$$2y = 110$$

$$y = 55$$

$$2(55) + x = 180$$

$$110 + x = 180$$

$$x = 70$$