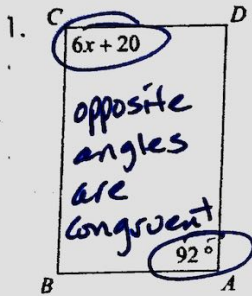


Geometry  
Unit 4 Exam Review - Parallelograms

Name: Key  
Date: \_\_\_\_\_

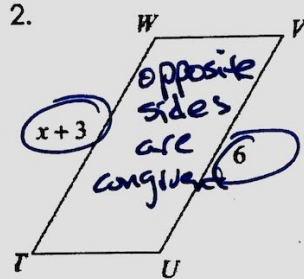
These are **PARALLELOGRAMS**. Solve for x.



$$6x + 20 = 92$$

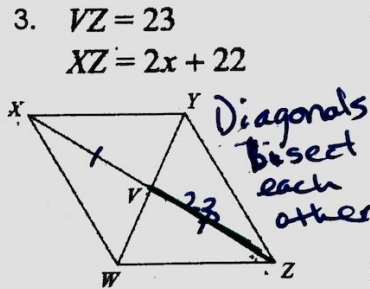
$$6x = 72$$

$$x = 12$$



$$x + 3 = 6$$

$$x = 3$$



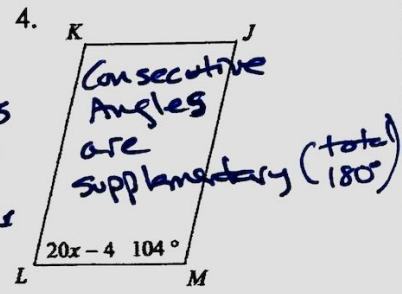
$$2(23) = 2x + 22$$

$$46 = 2x + 22$$

$$-22 \quad -22$$

$$\frac{24}{2} = \frac{2x}{2}$$

$$x = 12$$



$$20x - 4 + 104 = 180$$

$$20x + 100 = 180$$

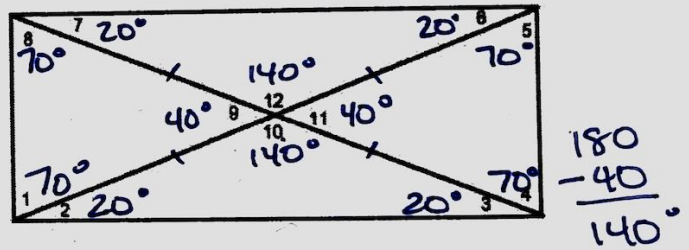
$$20x = 80$$

$$x = 4$$

5. This is a **RECTANGLE**.

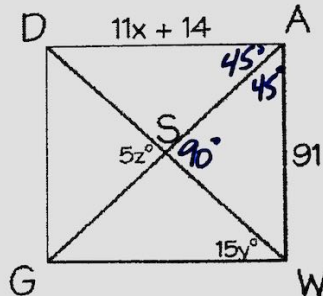
If  $m\angle 1$  is  $70^\circ$ , find all the other angles.

- a.  $m\angle 1 = 70^\circ$
- b.  $m\angle 2 = 20^\circ$
- c.  $m\angle 3 = 20^\circ$
- d.  $m\angle 4 = 70^\circ$
- e.  $m\angle 5 = 70^\circ$
- f.  $m\angle 6 = 20^\circ$
- g.  $m\angle 7 = 20^\circ$
- h.  $m\angle 8 = 70^\circ$
- i.  $m\angle 9 = 40^\circ$
- j.  $m\angle 10 = 140^\circ$
- k.  $m\angle 11 = 40^\circ$
- l.  $m\angle 12 = 140^\circ$



6. This is a **SQUARE**.

$x = 7$   
 $Y = 3$   
 $Z = 18$



$$11x + 14 = 91$$

$$11x = 77$$

$$x = 7$$

$$15y = 45$$

$$y = 3$$

$$5z = 90$$

$$z = 18$$

These are **RHOMBI**.

