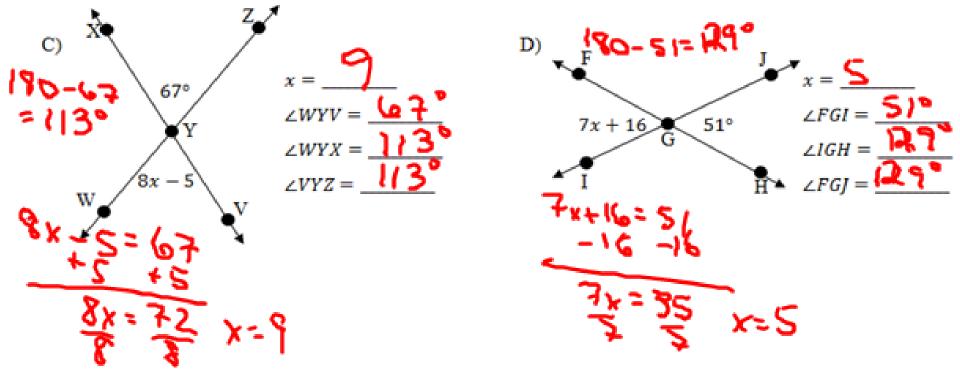
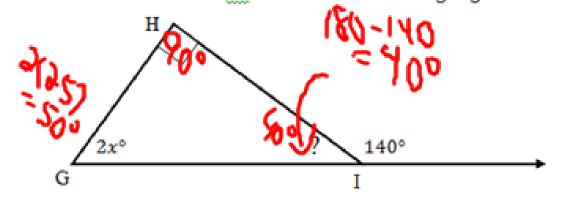
Get out your homework and have it ready to check. Get out the packet from Friday. Warm Up by continuing wherever you stopped.



5) Use the exterior angle (140°) to find the missing angle inside the triangle. Then write and solve an equation to find the value of x. Then find the missing angle.

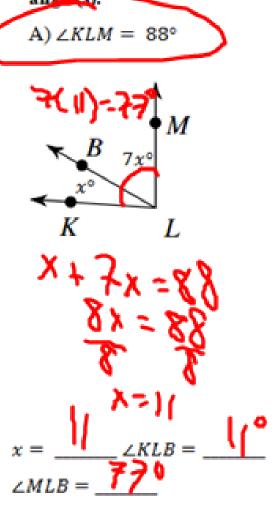


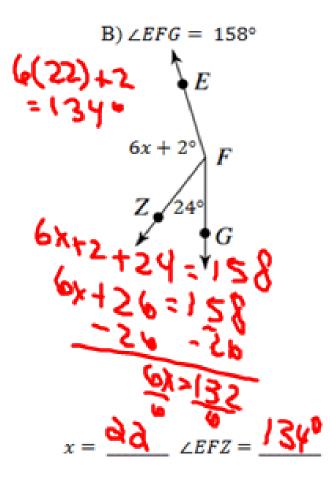
Ednation
$$\Rightarrow 30 + 10 + 30$$

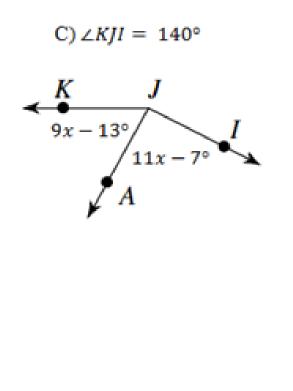
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We can always write and solve for x and find missing angles whenever we are given the overall measurement of the angle pairs. Make sure you pay close attention to what the angles are equal to.

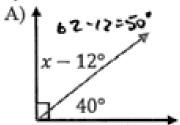
6) Write and solve an equation to find the value of x using the information given. Then find the missing

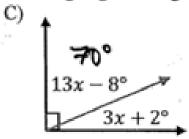






1) Write and solve an equation to find the value of x. Find the measurements of the missing angles using x.





Relationship: Complementary

$$3x+2+13x-8=90$$

$$16x-6=90$$

$$+6+6$$

$$\frac{16x=96}{16} x=6$$

$$x = 62 \ \angle = 50^{\circ}$$

$$x = 9$$
 $\angle = 43^{\circ}$

$$\frac{50^{1}}{6x + 2^{\circ}} = \frac{100^{\circ}}{6x + 2^{\circ$$

$$x = 13$$

$$m \angle ACB = 100^{\circ}$$

$$m \angle ACE = 80^{\circ}$$

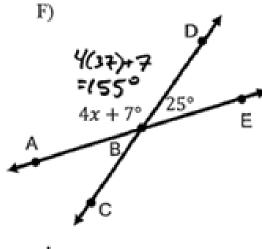
$$m \angle ECD = 100^{\circ}$$

$$x = 23$$

$$m \angle WNX = 109^{\circ}$$

$$m \angle WNY = 71^{\circ}$$

$$m \angle XNZ = 71^{\circ}$$



$$4x+7+25=180$$

$$4x+32=180$$

$$-32 -32$$

$$4x=148$$

$$4 = 37$$

$$x = _37$$

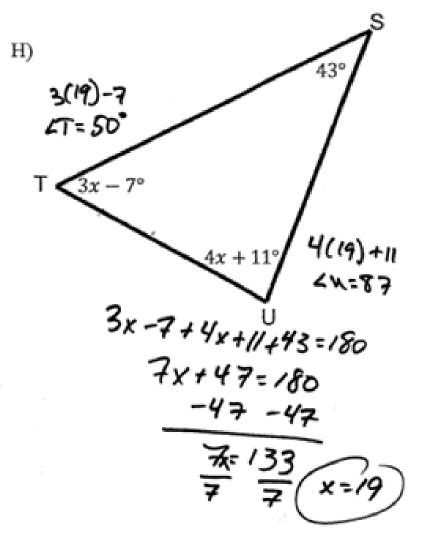
$$m \angle ABD = _{155}^{\circ}$$

$$m \angle ABC = _{25}^{\circ}$$

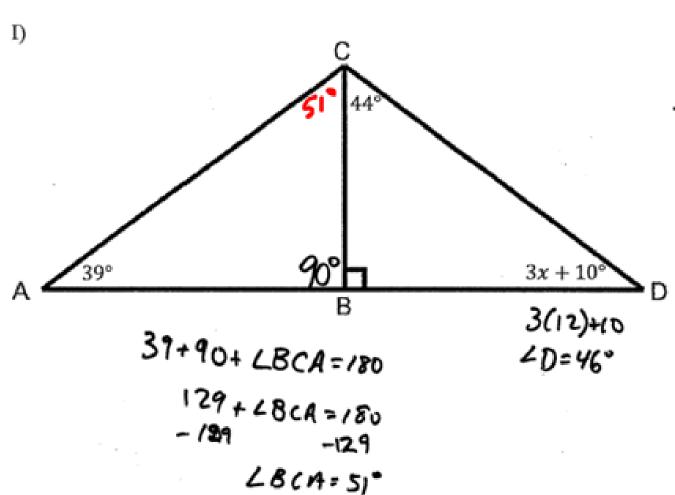
$$m \angle CBE = _{155}^{\circ}$$

G)
$$S(14)+16$$
 $S(14)+16$
 $S(14)+$

$$x = 14$$
 $m \angle D = 128$ $m \angle E = 28$



$$x = 19$$
 $m \angle T = 50$ $m \angle U = 87$



$$3x + 10 + 90 + 44 = 180$$

$$3x + 144 = 180$$

$$-144 - 144$$

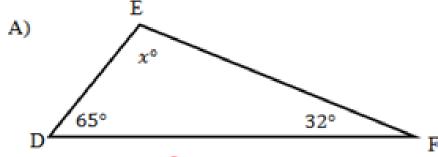
$$3x = 36$$

$$3$$

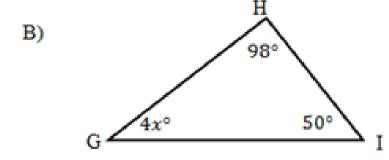
$$x = 12$$

$$x = 12$$
 $m \angle BDC = 46^{\circ}$ $m \angle ABC = 90^{\circ}$ $m \angle BCA = 51^{\circ}$

1) Write and solve an equation to find the value of x. Find the measurements of the missing angles using x.



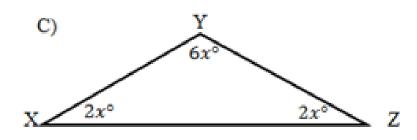
$$x = 82 \quad \angle E = 82^{\circ}$$

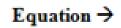


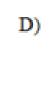
$$x = \frac{\chi - \xi}{2}$$

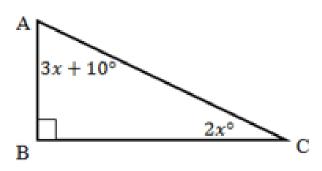
$$x = \frac{\lambda - \xi}{4\lambda^{2} \cdot 35}$$

$$x = \frac{\lambda - \xi}{4\lambda^{2} \cdot 35}$$





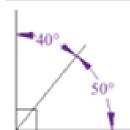




$$x =$$
 $\angle X =$ $\angle Y =$ $\angle Z =$ $x =$ $\angle A =$ $\angle C =$ $\angle C =$

$$x =$$
 $\angle A =$ $\angle C =$

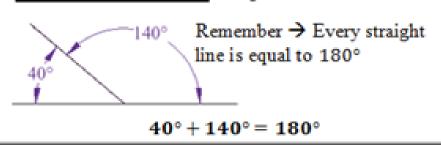
Complementary Angles – angles that add to 90°



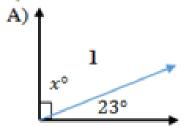
Remember \rightarrow Giving a <u>COMPLEMENT</u> is the <u>RIGHT</u> thing to do.

$$40^{\circ} + 50^{\circ} = 90^{\circ}$$

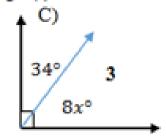
Supplementary Angles – angles that add to 180°

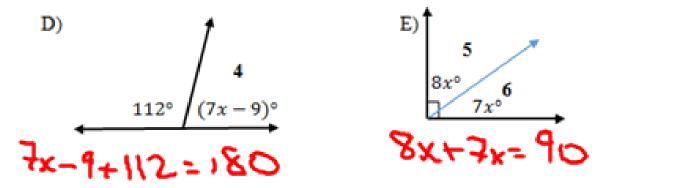


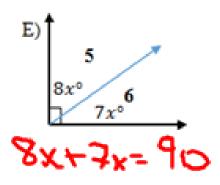
2) Write and solve an equation to find the value of x. Then find the missing angle(s).

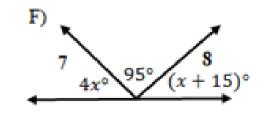


2 x° 125°



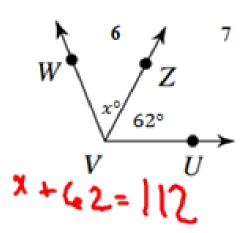


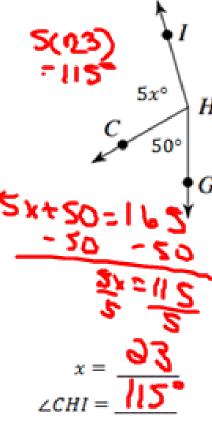


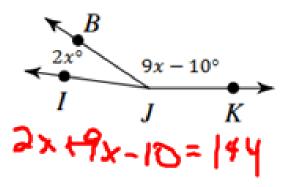


$$x = 1 \quad \angle 4 = 66$$

- 3) Write and solve an equation to find the value of x using the information given. Then find the missing angle(s). Make sure you pay close attention to what the angles are equal to.
- A) $\angle UVW = 112^{\circ}$



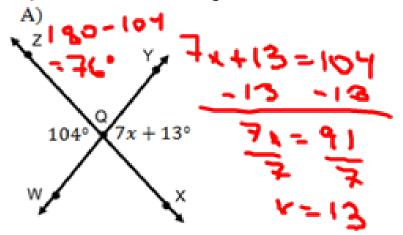


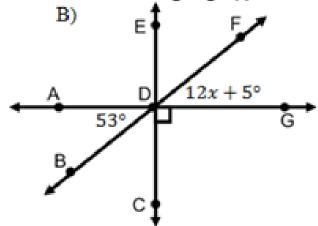


$$x =$$

 $\angle IJB =$ _____ $\angle KJB =$ _____

2) Write and solve an equation to find the value of x. Then find the missing angle(s). SHOW WORK AND LABEL



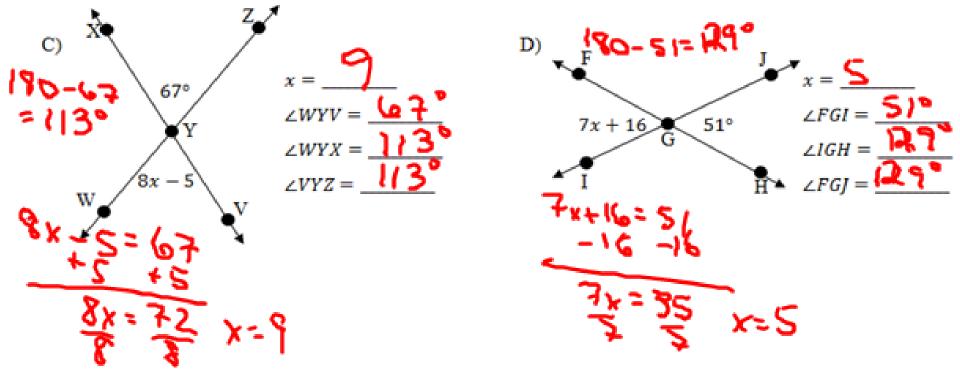


$$x = \frac{13}{2} \angle XQY = \frac{64}{2}$$

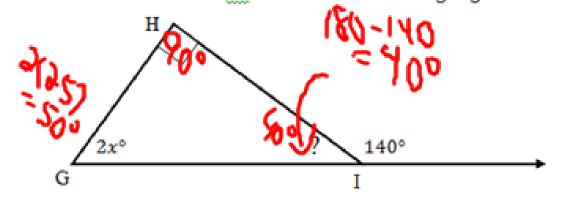
$$\angle ZQY = \frac{76}{2} \angle WQX = \frac{76}{2}$$

$$x = ____ \angle FDG = ____ \angle ADE = ___$$
 $\angle BDC = ___ \angle EDF = ___$

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