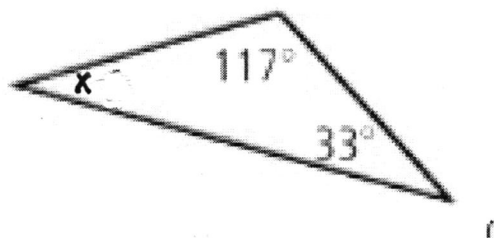
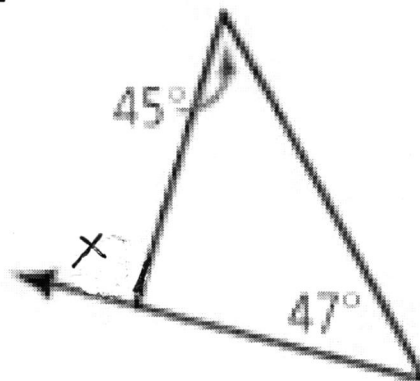


STATION 1

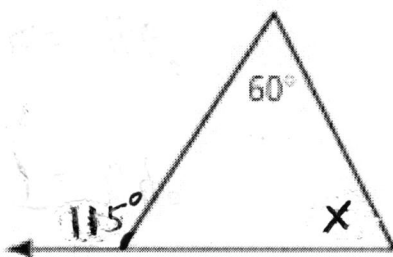
#1



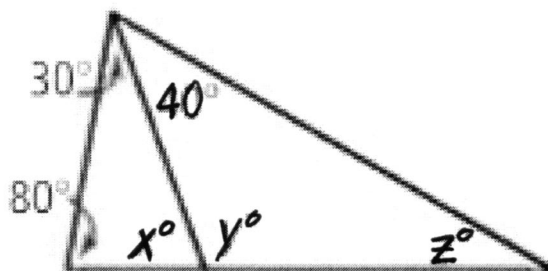
#2



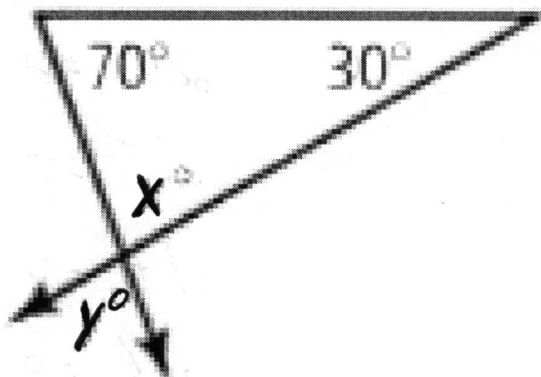
#3



#4

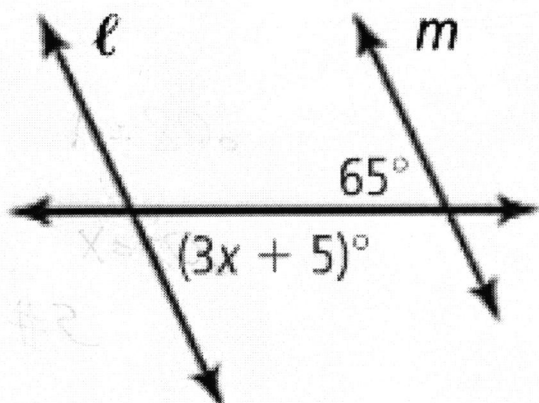


#5

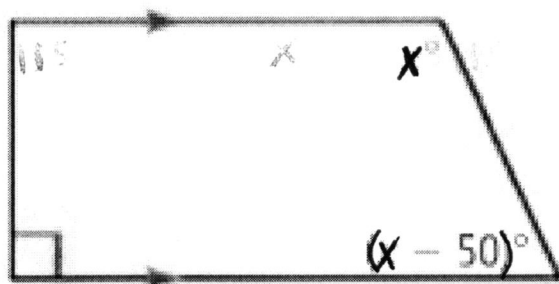


STATION 2

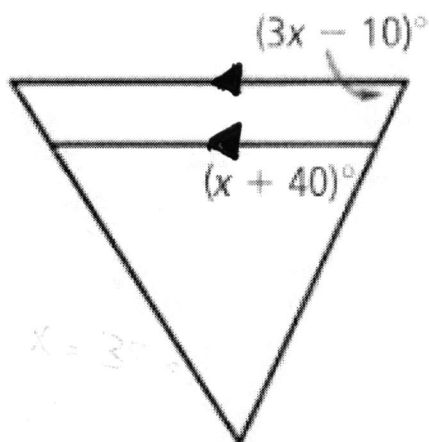
#6



#7



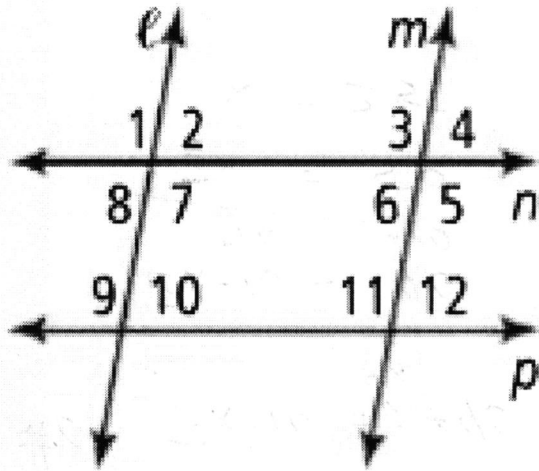
#8



hint:

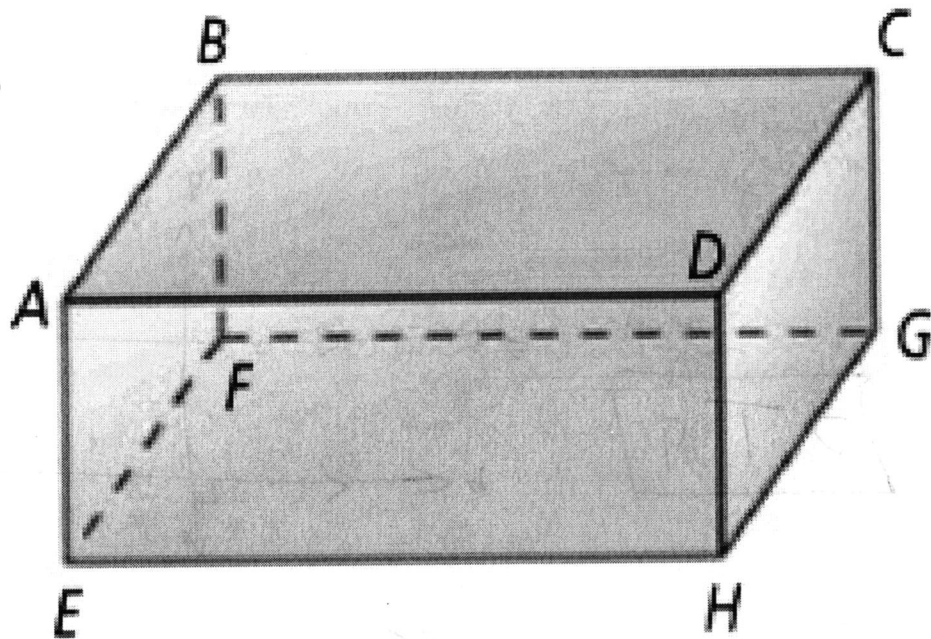
Ignore the triangle
focus on corresponding angles!

STATION 3



9. If $\angle 3 + \angle 2 = 180$, then _____ // _____ by _____
10. If $\angle 1 \cong \angle 9$ then _____ // _____ by _____
11. If $\angle 6 \cong \angle 12$ then _____ // _____ by _____
12. If $\angle 5 + \angle 12 = 180$ then _____ // _____ by _____
13. If line Q is parallel to line R and line Q is parallel to line S. What can you conclude about line R and line S? _____
14. If $a \perp b$ and $a \parallel c$, then what can you conclude about b and c?

STATION 4



15. Which segments are parallel to \overleftrightarrow{EF} ?

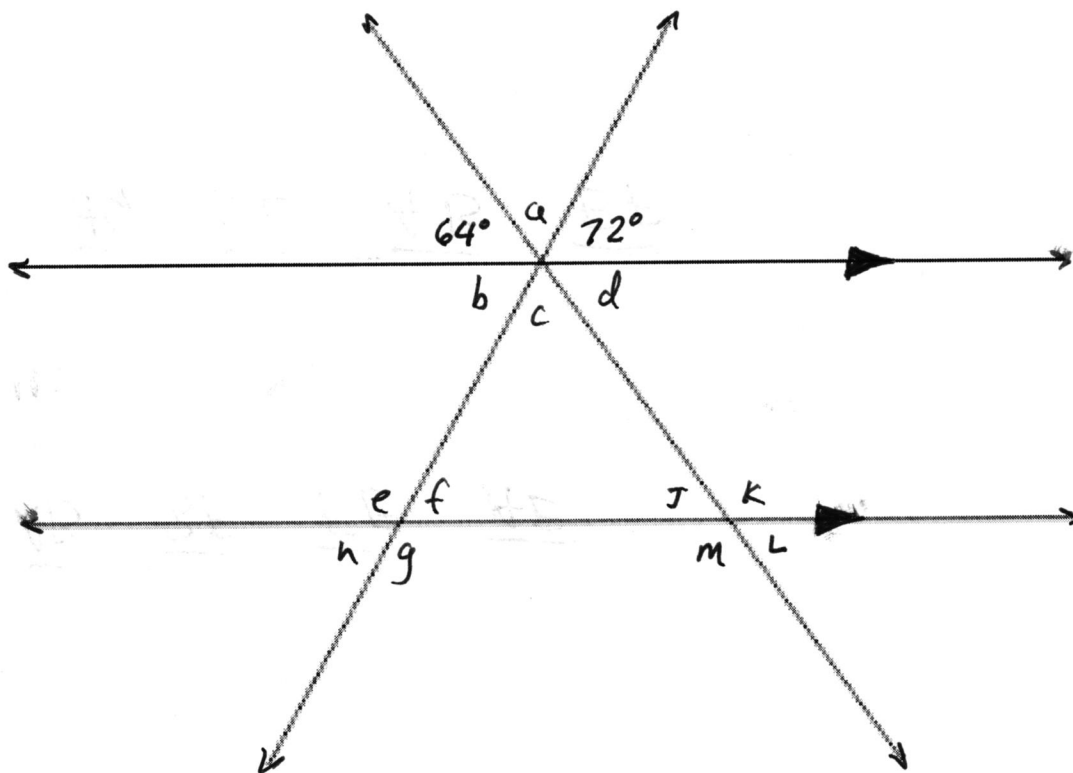
16. Name 2 segments that are SKEW to \overleftrightarrow{CG} :

17. Which segments are parallel to plane DHGC?

18. Which segments are perpendicular to plane ADHE?

STATION 5

19. Copy this diagram and fill in ALL the angle measures.



#1 $x = 30^\circ$

#2 $x = 92^\circ$

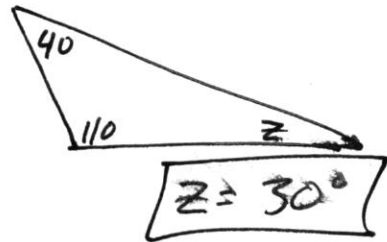
#3

$x = 55^\circ$

#4



x & y add to 180, so $y = 110^\circ$



#5

$x = 80^\circ$

$y = 80^\circ$

$$\#6 \quad 65 = 3x + 5$$

$$60 = 3x$$

$$20 = x$$

$$\#7 \quad x + x - 50 = 180$$

$$2x - 50 = 180$$

$$2x = 230$$

$$x = 115$$

$$\#8 \quad \begin{array}{rcl} 3x - 10 & = & x + 40 \\ -x & & -x \end{array}$$

$$\begin{array}{rcl} 2x - 10 & = & 40 \\ +10 & & +10 \\ \hline 2x & = & 50 \end{array}$$

$$x = 25$$

#9 $l \parallel m$ by SS int converse

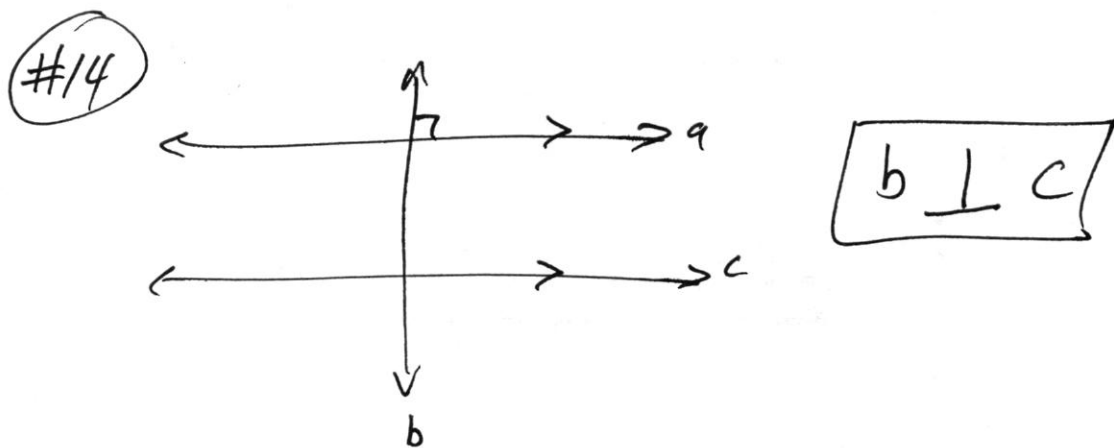
#10 $n \parallel p$ by corr. converse

#11 $n \parallel p$ by Alt-int converse

#12 $n \parallel p$ by SS int converse

#13 $R \parallel S$

$Q \longleftrightarrow$
 $R \longleftrightarrow$
 $S \longleftrightarrow$



$$(15) \quad \overleftrightarrow{HG} \quad \overleftrightarrow{CD} \quad \text{and} \quad \overleftrightarrow{AB}$$

$$(16) \quad \overleftrightarrow{DA} \quad \overleftrightarrow{AB} \quad \overleftrightarrow{EH} \quad \overleftrightarrow{EF}$$

$$(17) \quad \overline{AB} \quad \overline{BF} \quad \overline{FE} \quad \overline{AE}$$

$$(18) \quad \overline{HG} \quad \overline{DC} \quad \overline{AB} \quad \overline{EF}$$

$$a = 44^\circ$$

$$b = 72^\circ$$

$$c = 44^\circ$$

$$d = 64^\circ$$

$$e = 108^\circ$$

$$f = 72^\circ$$

$$g = 108^\circ$$

$$h = 72^\circ$$

$$i = 64^\circ$$

$$k = 116^\circ$$

$$l = 64^\circ$$

$$m = 116^\circ$$