Name: _____ Period: _____ Due Date: _____

Score: ____ /_____

Percent:_____ = ___/10

UNIT 7: SHAPES

ASSIGNMENT 7-5
MYSTERY ANGLES!

SYW: NO WORK = NO CREDIT
WORK IN PENCIL ONLY!

Review. Show your work!!

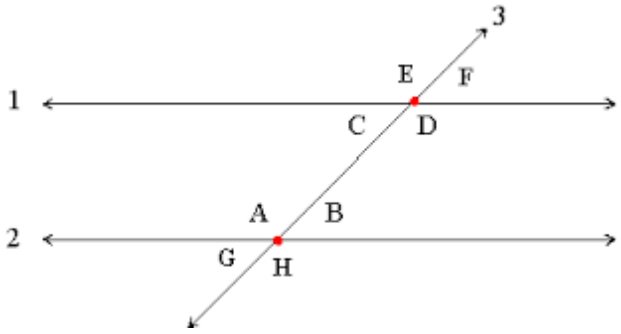
1. $\frac{-2}{5}+\frac{3}{15}=$ _____

2. $\frac{2}{4}-\left(\frac{-3}{4}\right)=$ _____

3. $2\frac{2}{3}\div\frac{1}{6}=$ _____

4. $\left(3\frac{4}{5}\right)\left(2\frac{3}{5}\right)=$ _____

Use the image below to answer questions #5-12



5. Which angles are NOT **obtuse**?
   a. $< A$ b. $< B$ c. $< C$ d. $< D$

6. Which angles are NOT **acute**?
   a. $< E$ b. $< F$ c. $< G$ d. $< H$

7. Which angles are NOT **right angles**?
   a. $< E$ b. $< F$ c. $< C$ d. $< D$

8. Which are **pairs of vertical angles**?
   a. $< C \text{ and } < F$ b. $< C \text{ and } < E$ c. $< D \text{ and } < H$
   d. $< A \text{ and } < H$ e. $< A \text{ and } < B$ f. None of the above

9. Which are **pairs of adjacent angles**?
   a. $< C \text{ and } < F$ b. $< C \text{ and } < E$ c. $< D \text{ and } < H$
   d. $< A \text{ and } < H$ e. $< A \text{ and } < B$ f. None of the above

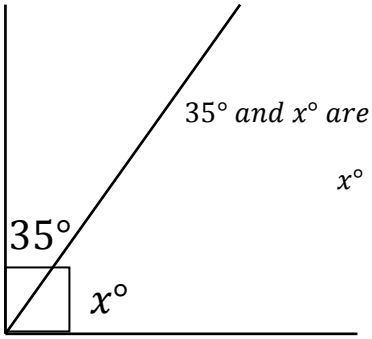
10. Which are **linear pairs**?
    a. $< C \text{ and } < F$ b. $< C \text{ and } < E$ c. $< D \text{ and } < H$
    d. $< A \text{ and } < H$ e. $< A \text{ and } < B$ f. None of the above

11. Which are **complementary angles**?
    a. $< C \text{ and } < F$ b. $< C \text{ and } < E$ c. $< D \text{ and } < H$
    d. $< A \text{ and } < H$ e. $< A \text{ and } < B$ f. None of the above

12. Which are **supplementary angles**?
    a. $< C \text{ and } < F$ b. $< C \text{ and } < E$ c. $< D \text{ and } < H$
    d. $< A \text{ and } < H$ e. $< A \text{ and } < B$ f. None of the above

State the relationship between the two given angles and find the missing angle measures for each problem below. Remember to show your work.

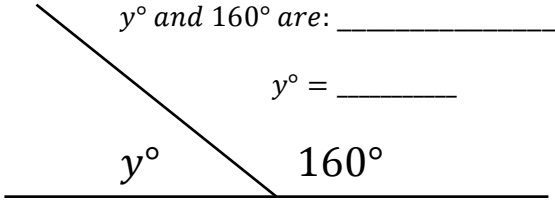
13. Solve for x.



$35°\ and\ x°\ are$: _____

$x° =$ _____

14. Solve for y.



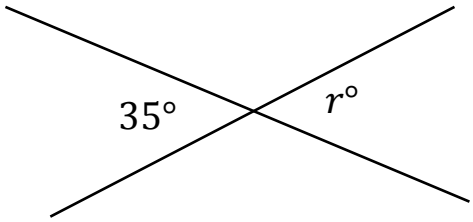
$y°\ and\ 160°\ are$: _____

$y° =$ _____

15. Solve for r.

$35°\ and\ r°\ are$: _____

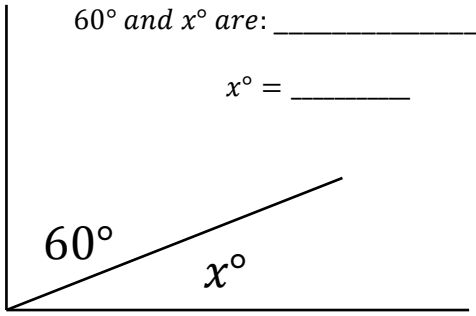
$r° =$ _____



16. Solve for x.

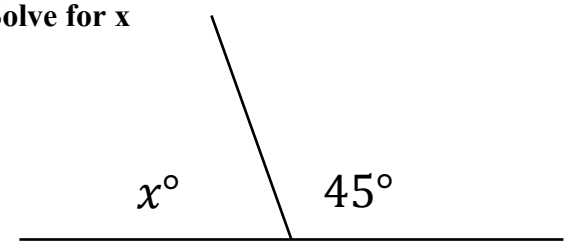
$60°\ and\ x°\ are$: _____

$x° =$ _____

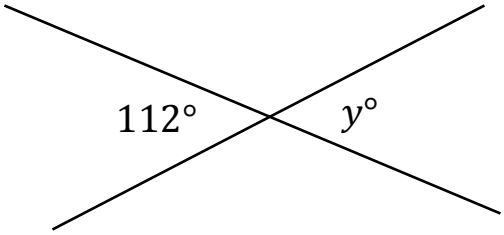


Find the missing angle measures for each problem below. Remember to show your work.

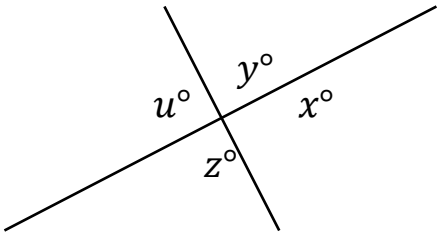
17. Solve for x



18. Solve for y.



19. If $m\angle y = 90^o$, find the measure of all the other angles.



20. Solve for x.