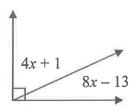
Name

## 6-1 - 6-3 Vocabulary, Drawings, Algebra Review

Date

1. Use the picture below to answer the following questions.



What vocabulary term best describes the relationship for the angles marked above?

Term (not looking for adjacent) - Complementary angles

Property (circle one) - Congruent

Supplementary Complementary

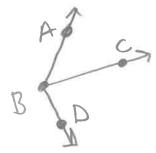
Definition - two angles that Sum to

b. Find the value of x.

$$4x + 1 + 8x - 13 = 90$$
 $12x - 12 = 90$ 
 $12x = 102$ 
 $12 = 8.5$ 

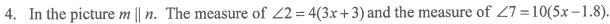
c. Find the measure of both angles.

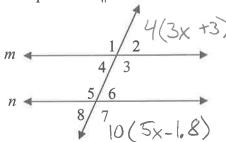
2. Draw the following:  $\angle ABC$  adjacent to  $\angle CBD$ .



- 3. If I name a line  $\overrightarrow{AB}$ , what is another possible name for that separate? (den't a) line)







Term - Sana - Sile exterior angles

Property (circle one) - Congruent Supplementary

Definition-two angles on the same side of the trus lives

Solve for x.  

$$4(3x + 3) + 10(5x - 1.8) = 180$$

$$12x + 12 + 50x - 18 = 180$$

$$62x - 6 = 180$$

$$62x = 186$$

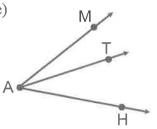
$$x = 3$$

c. What are the measures of both 
$$\frac{1}{2}$$
  $\frac{1}{2}$   $\frac$ 

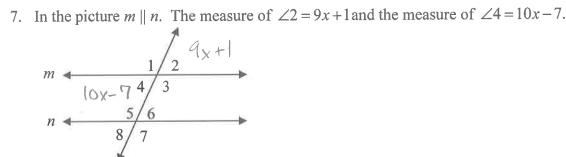
$$M L 7 = 50 \times -18 = 50(3) - 18 = [32°] = 00$$

5. What is another name for  $\angle MAH$ ? (don't say angle or acute angle)





6. What would have to be true for  $\overrightarrow{AT}$  to be an angle bisector for the above picture?



a. What vocabulary term best describes the relationship for the angles marked above?

Term - Vestical angles

Property (circle one) - Congruent

Supplementary

Complementary

non-overlapping and formed by intersecting lines.

b. Solve for x.

10x-7=9x+1 X = 8/

c. What are the measures of bether the least and less?

MC2 = 9(8) +1 = 73°

m 24 = 1739

8. The distance from VX = 10 cm, what is the length of  $\overline{VY}$ ? Each Small segment is 5 cm

VY = 15cm

9. Define alternate interior angles

of the transversal and between the other two lines.

14016 from above

or L3 + L5