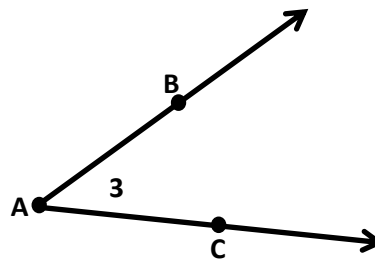


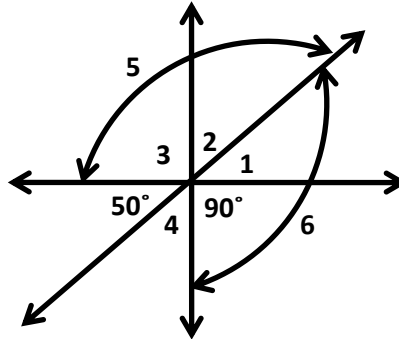
**REVIEW: ANGLES, PARALLEL & PERPENDICULAR LINES**

- 1) Name the angle in **FOUR DIFFERENT** ways.
- 2) A is the \_\_\_\_\_ of the angle.
- 3) The sides of the angle are \_\_\_\_\_ and \_\_\_\_\_.



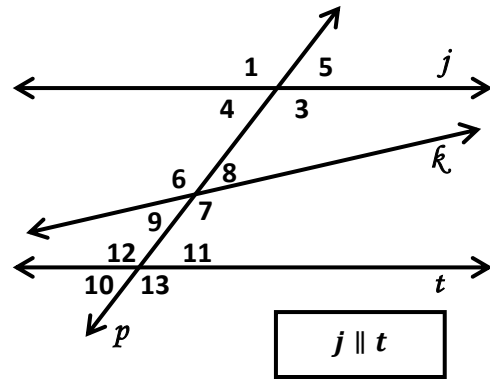
**FIND THE MEASURES OF THE NUMBERED ANGLES WITHOUT USING A PROTRACTOR.**

- 4)  $m\angle 1 =$  \_\_\_\_\_
- $m\angle 2 =$  \_\_\_\_\_
- $m\angle 3 =$  \_\_\_\_\_
- $m\angle 4 =$  \_\_\_\_\_
- $m\angle 5 =$  \_\_\_\_\_
- $m\angle 6 =$  \_\_\_\_\_



**IDENTIFY EACH ANGLE PAIR. Use the diagram to answer questions 18 – 34.**

- |                                |                                |
|--------------------------------|--------------------------------|
| 5) $\angle 1$ and $\angle 3$   | 6) $\angle 3$ and $\angle 7$   |
| 7) $\angle 10$ and $\angle 5$  | 8) $\angle 6$ and $\angle 8$   |
| 9) $\angle 3$ and $\angle 11$  | 10) $\angle 9$ and $\angle 11$ |
| 11) $\angle 5$ and $\angle 11$ | 12) $\angle 4$ and $\angle 8$  |
| 13) $\angle 4$ and $\angle 6$  | 14) $\angle 1$ and $\angle 9$  |
- 16) Is  $\angle 1 \cong \angle 3$ ? Why or why not?
  - 17) Is  $\angle 5$  supplementary to  $\angle 3$ ? Why or why not?
  - 18) Is  $\angle 4 \cong \angle 8$ ? Why or why not?

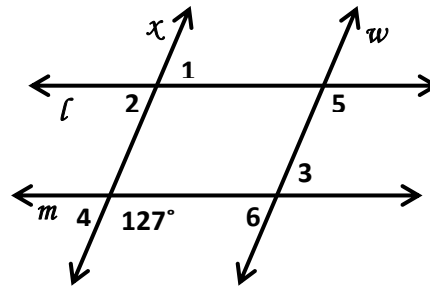


**Given  $j \parallel t$ , answer 31 – 34.**

- |   |   |
|---|---|
| 19) Which <b>angles</b> will be congruent to $\angle 1$ ? | 20) Will $\angle 3$ be congruent to $\angle 13$ ? Why or why not? |
| 21) What is true about $\angle 4$ and $\angle 3$ ? Why?   | 22) What is true about $\angle 3$ and $\angle 11$ ? Why?          |

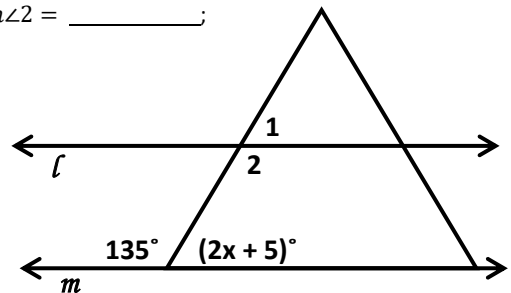
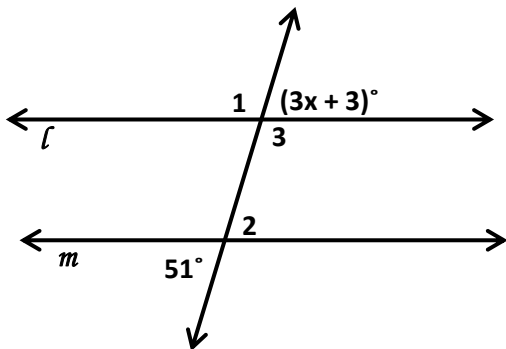
**Given  $l \parallel m$  and  $x \parallel w$  in each problem. Solve for  $x$  and the missing angle measures. SHOW ALL WORK!**

- 23)  $m\angle 1 =$  \_\_\_\_\_;  $m\angle 2 =$  \_\_\_\_\_;  
 $m\angle 3 =$  \_\_\_\_\_;  $m\angle 4 =$  \_\_\_\_\_;  
 $m\angle 5 =$  \_\_\_\_\_;  $m\angle 6 =$  \_\_\_\_\_.

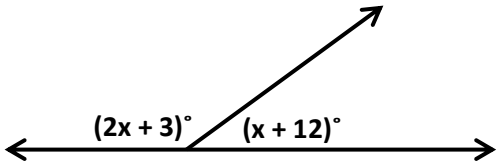


- 24)  $x =$  \_\_\_\_\_;  $m\angle 1 =$  \_\_\_\_\_;  
 $m\angle 2 =$  \_\_\_\_\_;  $m\angle 3 =$  \_\_\_\_\_.

- 25)  $x =$  \_\_\_\_\_;  $m\angle 1 =$  \_\_\_\_\_;  
 $m\angle 2 =$  \_\_\_\_\_;



26)  $x =$  \_\_\_\_\_

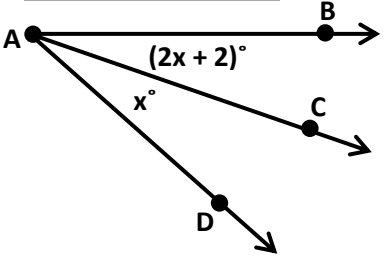


27)  $x =$  \_\_\_\_\_;

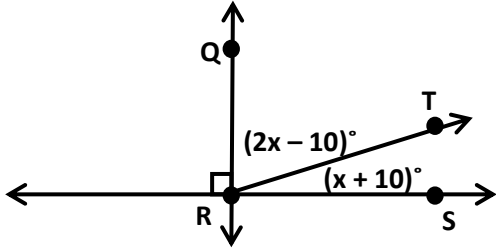
$m\angle BAC =$  \_\_\_\_\_;

$m\angle CAD =$  \_\_\_\_\_.

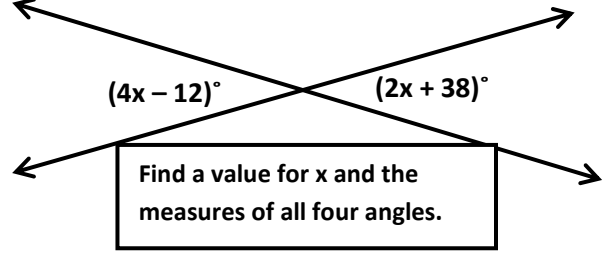
$m\angle BAD = 68^\circ$



28)  $x =$  \_\_\_\_\_

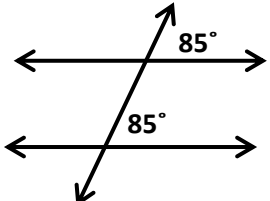


29)  $x =$  \_\_\_\_\_

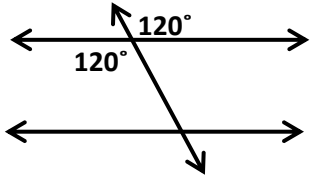


Decide if there is enough information to determine if each pair of lines is parallel. Given the angles marked are congruent, state the specific postulate or theorem that justifies each answer of "PARALLEL". If there is not enough information, then write "NO" OR "NEI".

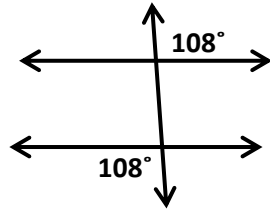
30) \_\_\_\_\_



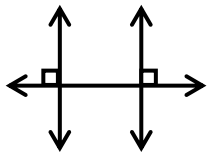
31) \_\_\_\_\_



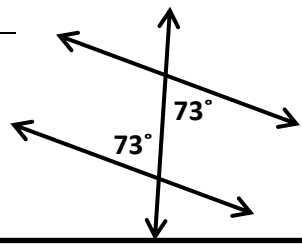
32) \_\_\_\_\_



33) \_\_\_\_\_

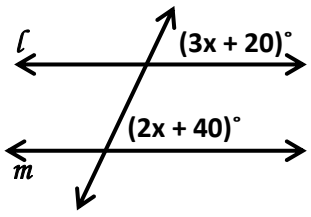


34) \_\_\_\_\_

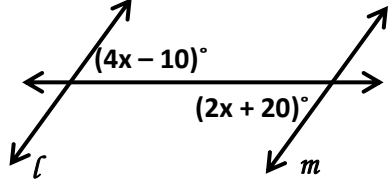


Find the value of  $x$  so that  $l \parallel m$ .

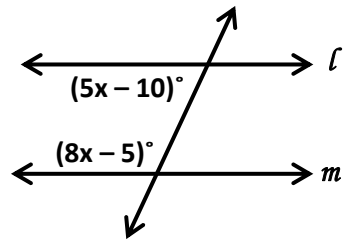
35)  $x =$  \_\_\_\_\_



36)  $x =$  \_\_\_\_\_

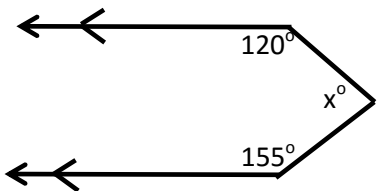


37)  $x =$  \_\_\_\_\_



Find the value of  $x$

38)  $x =$  \_\_\_\_\_



39)  $r =$  \_\_\_\_\_

