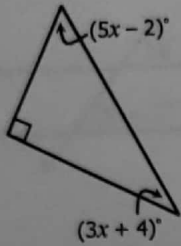


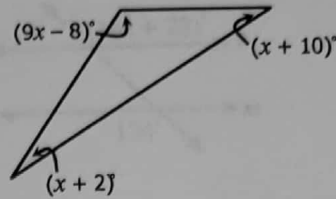
# More Practice: Solving For Angles in Triangles

**Directions:** Find the value of  $x$ .

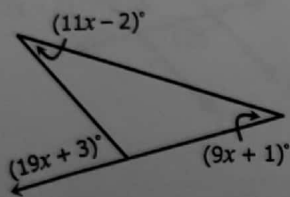
1.



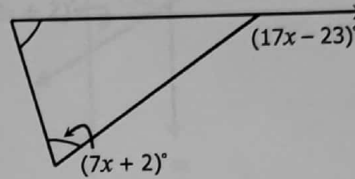
2.



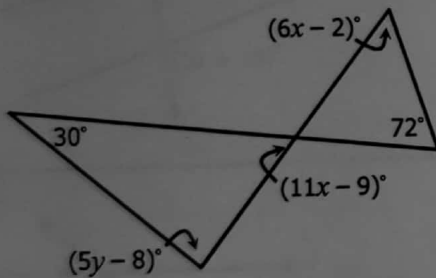
3.



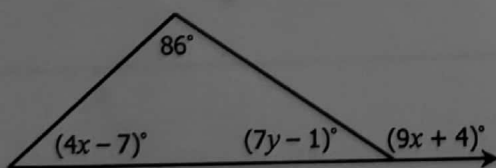
4.



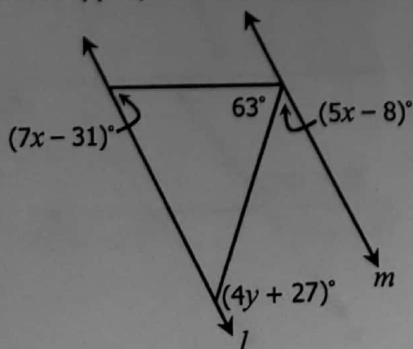
5. Find the values of  $x$  and  $y$  in the diagram below.



6. Find the values of  $x$  and  $y$  in the diagram below.



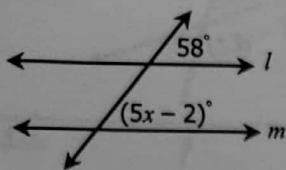
7. If  $l \parallel m$ , find the values of  $x$  and  $y$  in the diagram below.



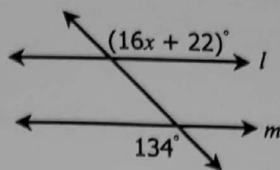
# Parallel Lines, Transversals, and Algebra!

**Directions:** If  $l \parallel m$ , find the value of each missing variable(s).

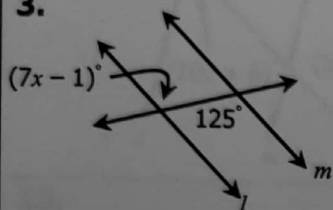
1.



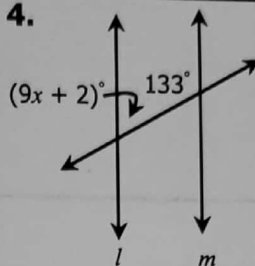
2.



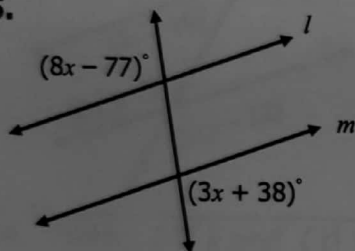
3.



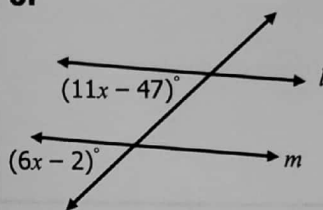
4.



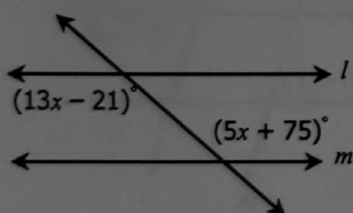
5.



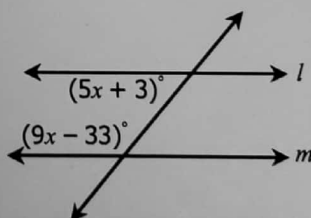
6.



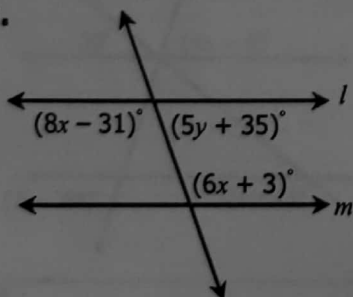
7.



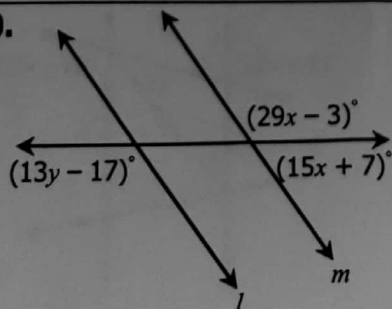
8.



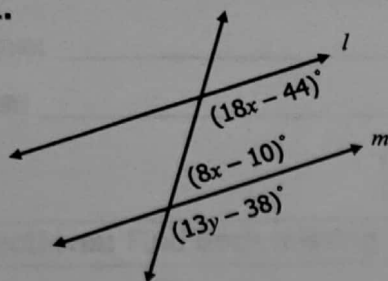
9.



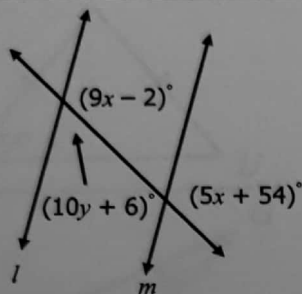
10.



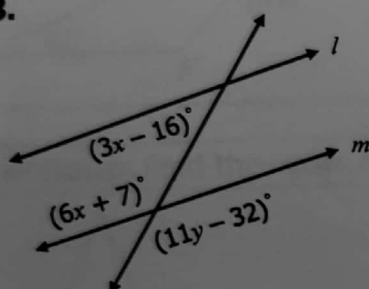
11.



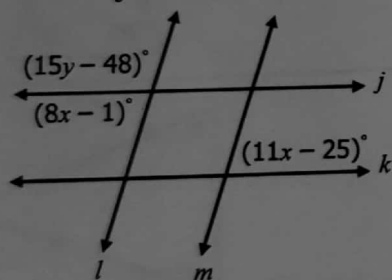
12.



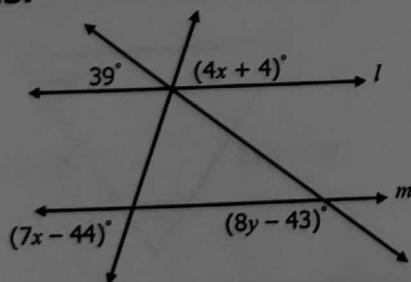
13.



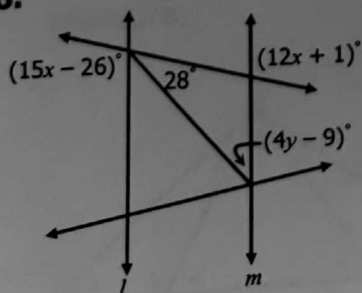
14. Note:  $j \parallel k$  and  $l \parallel m$



15.

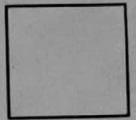


16.



Name: \_\_\_\_\_

Unit 4: Congruent Triangles



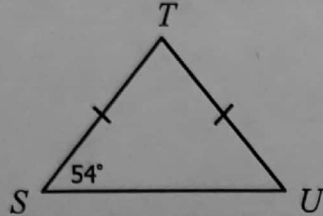
Date: \_\_\_\_\_ Bell: \_\_\_\_\_

Homework 3: Isosceles & Equilateral Triangles

\* This is a \_\_\_\_\_

Directions: Find each missing measure.

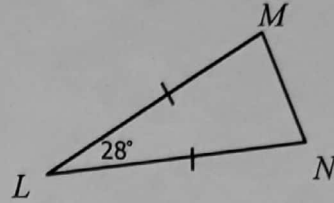
1.



$m\angle T = \underline{\hspace{2cm}}$

$m\angle U = \underline{\hspace{2cm}}$

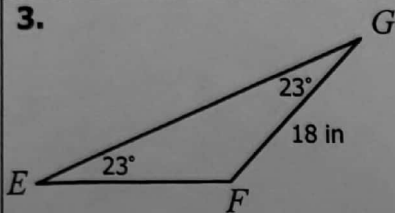
2.



$m\angle M = \underline{\hspace{2cm}}$

$m\angle N = \underline{\hspace{2cm}}$

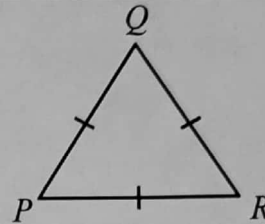
3.



$EF = \underline{\hspace{2cm}}$

$m\angle F = \underline{\hspace{2cm}}$

4.



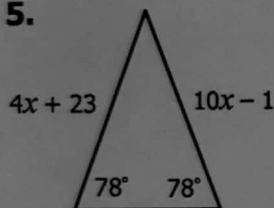
$m\angle P = \underline{\hspace{2cm}}$

$m\angle Q = \underline{\hspace{2cm}}$

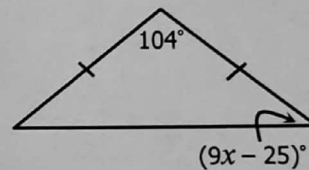
$m\angle R = \underline{\hspace{2cm}}$

Directions: Find the value of each variable.

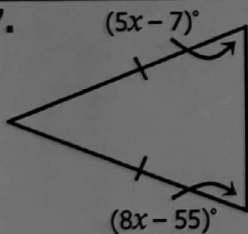
5.



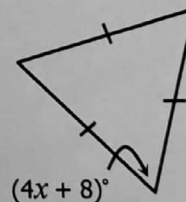
6.



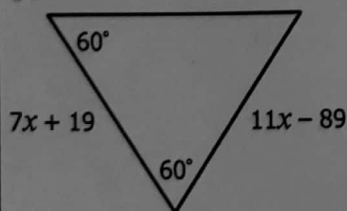
7.



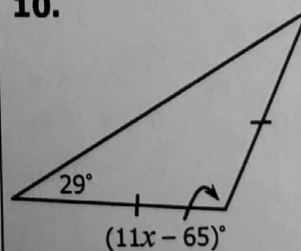
8.



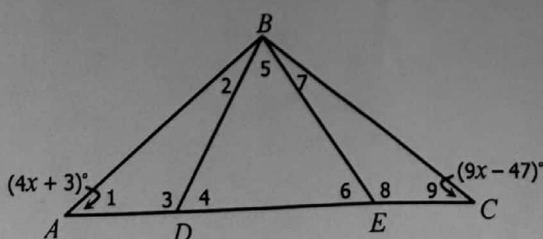
9.



10.



11. If  $\triangle ABC$  is an isosceles triangle and  $\triangle DBE$  is an equilateral triangle, find each missing measure.



$m\angle 1 = \underline{\hspace{2cm}} \quad m\angle 6 = \underline{\hspace{2cm}}$

$m\angle 2 = \underline{\hspace{2cm}} \quad m\angle 7 = \underline{\hspace{2cm}}$

$m\angle 3 = \underline{\hspace{2cm}} \quad m\angle 8 = \underline{\hspace{2cm}}$

$m\angle 4 = \underline{\hspace{2cm}} \quad m\angle 9 = \underline{\hspace{2cm}}$

$m\angle 5 = \underline{\hspace{2cm}}$