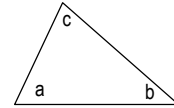


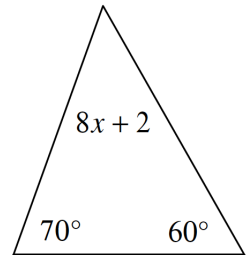
Name _____ Per _____

LO: I can identify **angle relationships** involving triangles and use the relationships to solve for unknown values. **DO NOW** On the back of this packet (1) **Need to Know:**

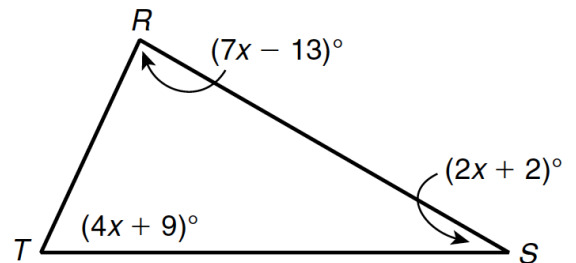
The sum of the angles in a triangle is _____



$$a + b + c = \underline{\hspace{2cm}}$$

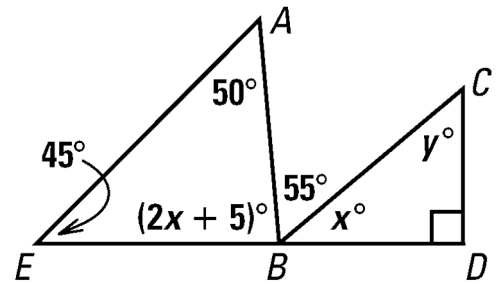
 (2) **Angles: Using the sum of the angles in a triangle to write and solve equations**(a) Write an equation and solve it to find the measure of x .

(b) Write an equation and find the measure of angle R

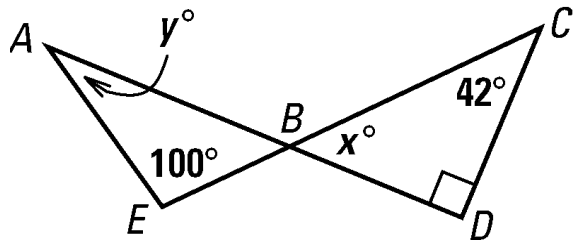


(3) **Angles: Using the sum of the angles in a triangle to write and solve equations**

(a) Write 1 or more equations and solve to find the measure of x and y .

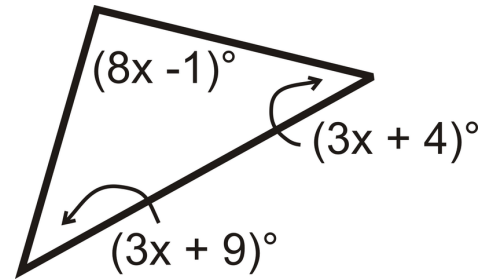


(a) Write 1 or more equations and solve to find the measure of x and y .

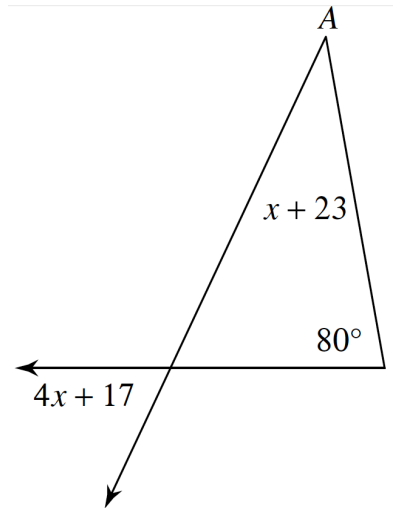


(2) **Angles: Identifying angle relationships**

cont. (a) Write an equation and solve it to find the measure of x . Name any angle relationships you use.



(b) Use any angle relationships you know to write 1 or more equations to find the value of x . Name any angle relationships you use.



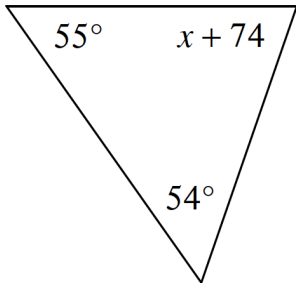
(3) **Exit Ticket**

ON THE LAST PAGE

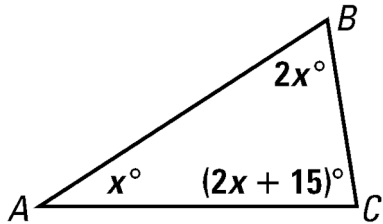
 (4) **Homework**

pen or pencil
For each diagram, write an equation and solve it to find the measure of x . Name any angle relationships you use.

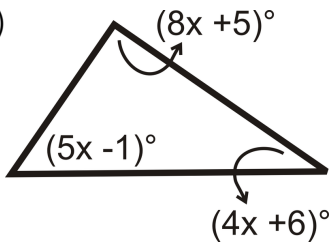
(a)



(b)



(c)

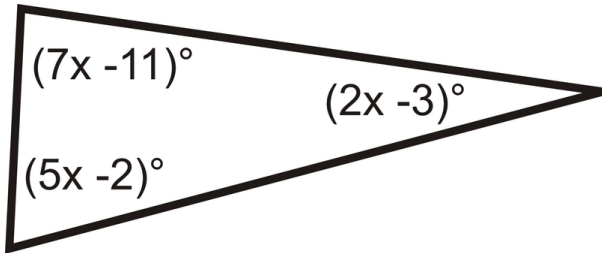


Exit Ticket Name _____ Date _____ Per _____

2.4L

(1) The LO (Learning Outcomes) are written below your name on the front of this packet. Demonstrate your achievement of these outcomes by doing the following:

Name the angle relationship (2) Write an equation (3) solve it for x



DO NOW Name _____ Date _____ Per _____

2.4L

(1) Solving progress: Solve one of the two problems below.

(a) $\frac{2x-3}{5} = 9$

(b) $18 - 12y = -22 - 7y$

(2) Translation to algebra progress. Write an algebraic statement to represent this situation. Be sure to write a “Let” statement to define any variables. Use BUCKS.

Five years ago, John’s age was half of the age he will be in 8 years. How old is he now?