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

**Parallels cut by a Transversal Practice QUIZ**

Directions: Find the value of the variable, show your geometry and justification for each.

1.

 12x-3

 105ᵒ

 x= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



2.

 -6+12x

 11x

**** x= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3.

 7x+18

 6x+19

 x= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



4.

 53x-1

 38x-1

 x= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Directions: Find the value of the variable and the measure of the angle, show your geometry and justification for each.

****5.

 22x+7

 24x-1

 x= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 m<BCF = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



6.

 15x+5 14x+12

 x= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 m< TPQ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_