Math 2   Name_____
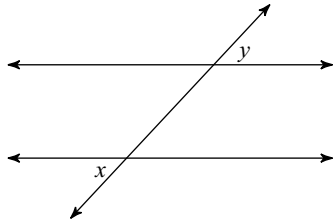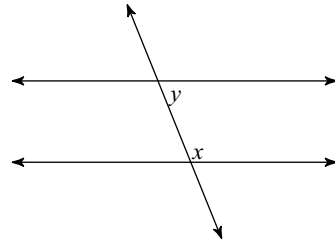
Parallel Lines cut by a Transveral Homework   Date_____ Period_____

Identify each pair of angles as corresponding, alternate interior, alternate exterior, same-side interior, or vertical.
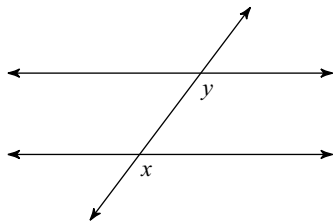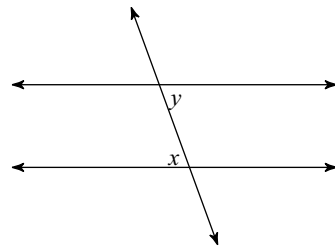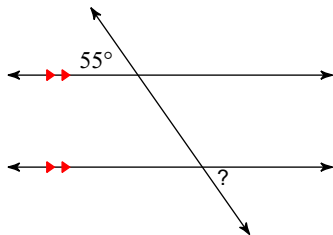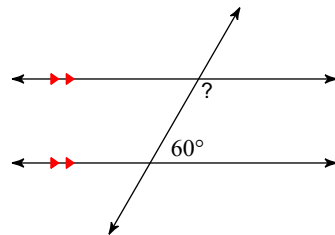
1)

2)

3)

4)

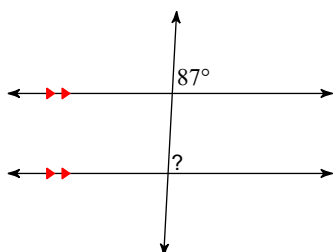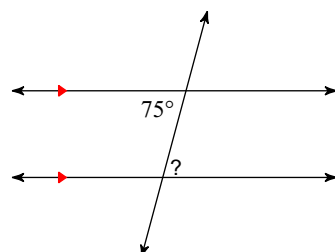**Name the relationship then find the measure of each angle indicated.**

5)

6)

7)

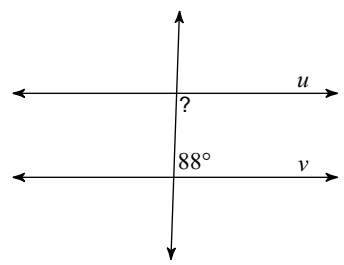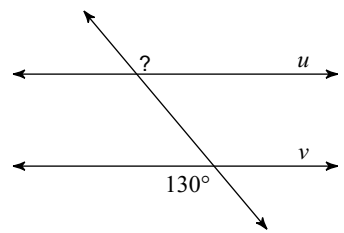8)

Name the relationship then find the measure of the indicated angle that makes lines u and v parallel.

9)

?
88°

u
v

10)
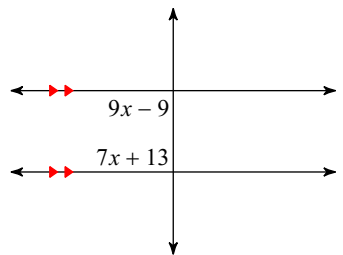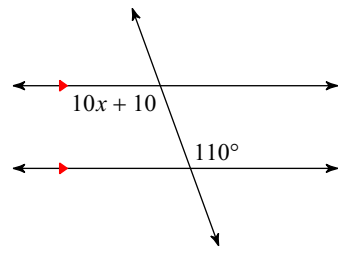
?
130°

u
v

11)

57°
?

u
v

12)

?
123°

u
v
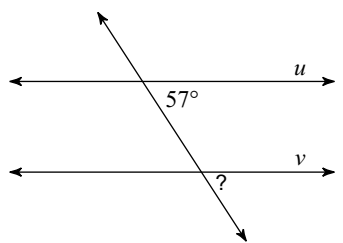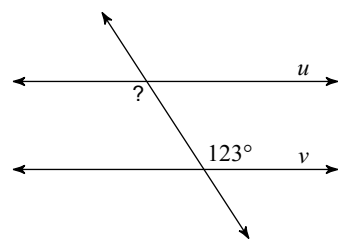
Name the relationship then solve for *x*.

13)

$9x - 9$
$7x + 13$

14)

$10x + 10$
110°

15)

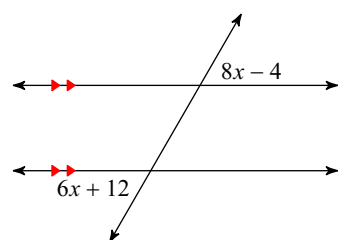60°
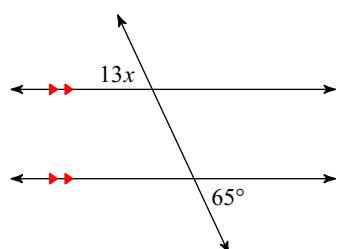$x + 67$
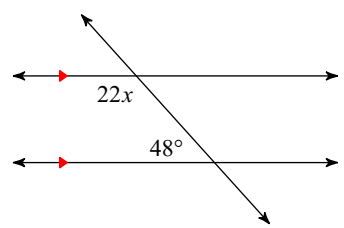
16)

$8x - 4$
$6x + 12$

17)

$13x$
65°

18)
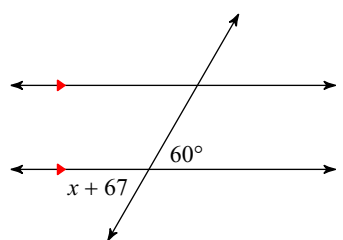
$22x$
48°

Answers to Parallel Lines cut by a Transveral Homework

1) alternate exterior

3) corresponding

5) 55°

7) 87°

9) 92°

11) 57°

13) 11

15) −7

17) 5