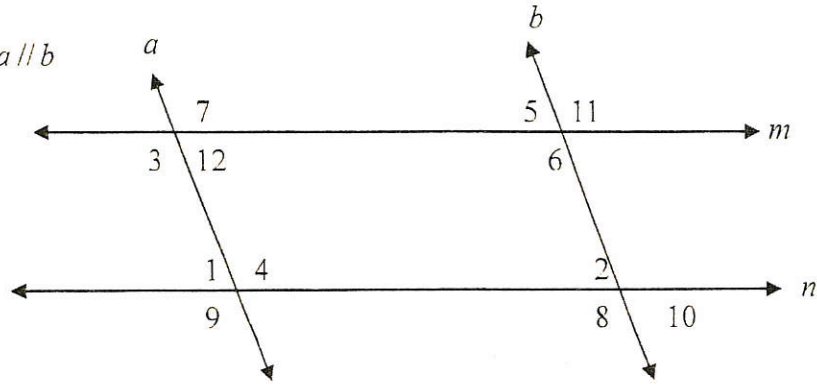Use the figure below to determine the relationship between each pair of angle.
State whether the angle measures are CONGRUENT or SUPPLEMENTARY

Given: $m \parallel n$ and $a \parallel b$

1) ∠7 and ∠4
Relationship: _____   Measures: _____

2) ∠1 and ∠12
Relationship: _____   Measures: _____

3) ∠2 and ∠6
Relationship: _____   Measures: _____

4) ∠3 and ∠4
Relationship: _____   Measures: _____

5) ∠7 and ∠9
Relationship: _____   Measures: _____

6) ∠6 and ∠8
Relationship: _____   Measures: _____

7) ∠3 and ∠7
Relationship: _____   Measures: _____

8) ∠3 and ∠12
Relationship: _____   Measures: _____

9) ∠5 and ∠2
Relationship: _____   Measures: _____

10) ∠11 and ∠10
Relationship: _____   Measures: _____

Name _____

Identify the relationship of each pair of angles in the transversals and what can be determined about their values:

1) $\angle 7$ and $\angle 10$

2) $\angle 6$ and $\angle 12$

$m \parallel n$

3) $\angle 7$ and $\angle 11$

4) $\angle 13$ and $\angle 11$
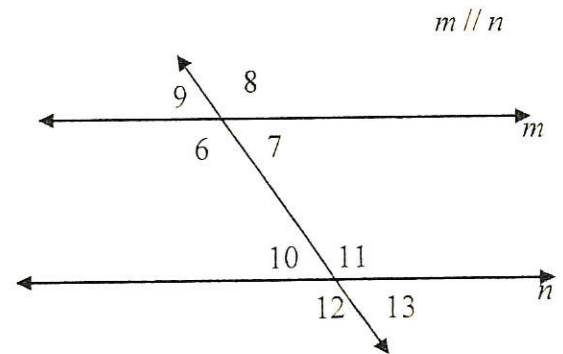
5) $\angle 12$ and $\angle 8$

6) $\angle 6$ and $\angle 11$

7) $\angle 10$ and $\angle 9$

8) $\angle 7$ and $\angle 13$

9) $\angle 9$ and $\angle 13$

10) $\angle 10$ and $\angle 13$

11) $\angle 5$ and $\angle 1$

12) $\angle 8$ and $\angle 1$

$a \parallel b$

13) $\angle 7$ and $\angle 4$

14) $\angle 6$ and $\angle 3$

15) $\angle 5$ and $\angle 2$

16) $\angle 8$ and $\angle 7$

17) $\angle 3$ and $\angle 2$

18) $\angle 4$ and $\angle 8$

19*) $\angle 4$ and $\angle 6$

20) $\angle 1$ and $\angle 6$