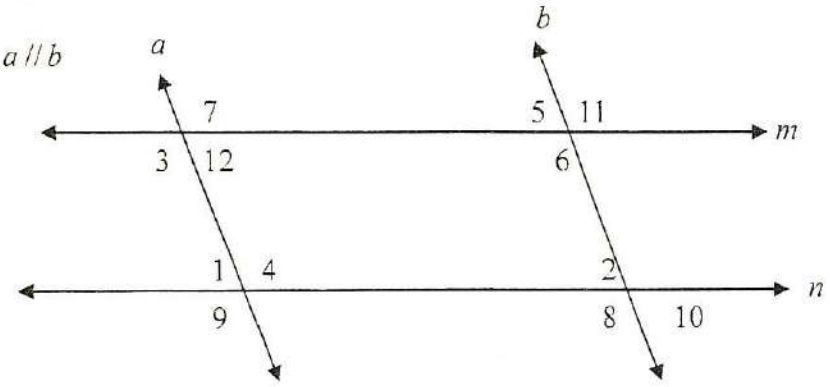
Use the figure below to determine the relationship between each pair of angle.
State whether the angle measures are CONGRUENT or SUPPLEMENTARY

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



1) $\angle 7$ and $\angle 4$
Relationship: _____ Measures: _____

2) $\angle 1$ and $\angle 12$
Relationship: _____ Measures: _____

3) $\angle 2$ and $\angle 6$
Relationship: _____ Measures: _____

4) $\angle 3$ and $\angle 4$
Relationship: _____ Measures: _____

5) $\angle 7$ and $\angle 9$
Relationship: _____ Measures: _____

6) $\angle 6$ and $\angle 8$
Relationship: _____ Measures: _____

7) $\angle 3$ and $\angle 7$
Relationship: _____ Measures: _____

8) $\angle 3$ and $\angle 12$
Relationship: _____ Measures: _____

9) $\angle 5$ and $\angle 2$
Relationship: _____ Measures: _____

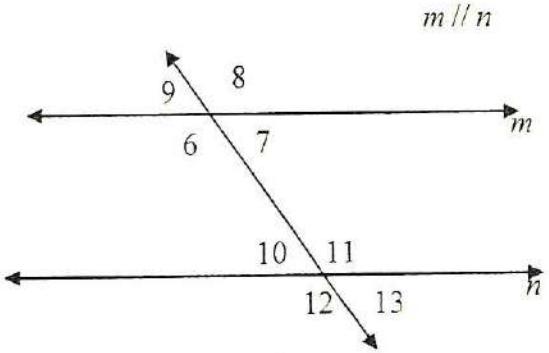
10) $\angle 11$ and $\angle 10$
Relationship: _____ Measures: _____

Name _____ Math 3

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

1) ∠7 and ∠10

2) ∠6 and ∠12



3) ∠7 and ∠11

4) ∠13 and ∠11

5) ∠12 and ∠8

6) ∠6 and ∠11

7) ∠10 and ∠9

8) ∠7 and ∠13

9) ∠9 and ∠13

10) ∠10 and ∠13

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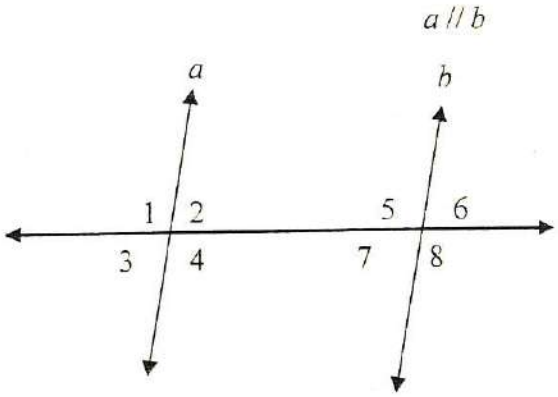
11) ∠5 and ∠1

12) ∠8 and ∠1



13) ∠7 and ∠4

14) ∠6 and ∠3

15) ∠5 and ∠2

16) ∠8 and ∠7

17) ∠3 and ∠2

18) ∠4 and ∠8

19*) ∠4 and ∠6

20) ∠1 and ∠6