

Name: Key

Parallel Warm Up

Directions: Give the correct justification for each.

1. If $\angle 9 \cong \angle 13$, what justifies $a // b$?

\cong corr. \angle s form $//$ lines.

2. If $\angle 2 \cong \angle 7$, what justifies $a // b$?

\cong alt ext. \angle s form $//$ lines

3. If $\angle 7 \cong \angle 14$, what justifies $c // d$?

\cong alt. ext. \angle s form $//$ lines

4. If $\angle 8 \cong \angle 13$, what justifies $c // d$?

\cong alt int. \angle s form $//$ lines

5. If $\angle 4 \cong \angle 9$, what justifies $c // d$?

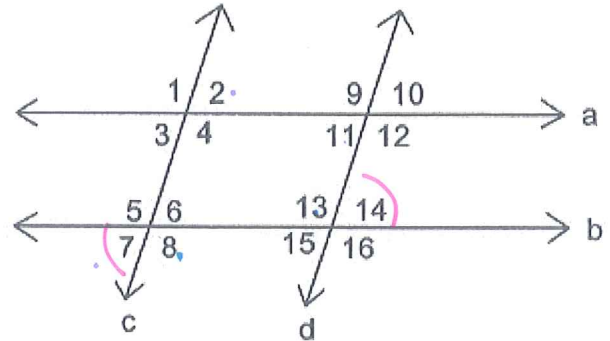
\cong alt. int \angle s form $//$ lines.

6. If $\angle 3 + \angle 5 = 180$, what justifies $a // b$?

Suppl. con. int \angle s form $//$ lines

7. If $\angle 11 + \angle 4 = 180$, what justifies $c // d$?

Suppl. con. int. \angle s form $//$ lines



Use the figure to the right to provide the correct justification

8. If $m // n$, what justifies $\angle 9 \cong \angle 8$?

$//$ lines form \cong alt. ext. \angle s.

9. If $m // n$, what justifies $\angle 1 + \angle 10 = 180$?

$//$ lines form Suppl. con. int \angle s.

10. If $m // n$, what justifies $\angle 1 \cong \angle 11$?

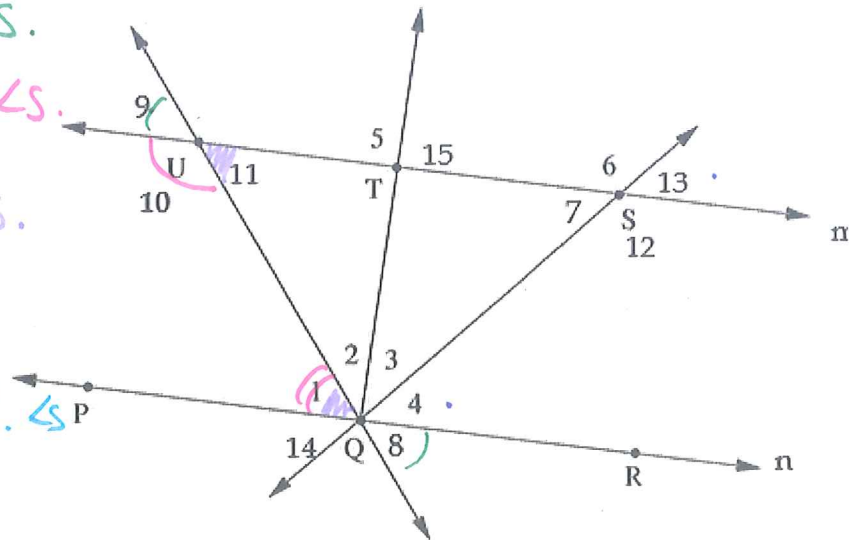
$//$ lines form \cong alt int \angle s.

11. If $m // n$, what justifies $\angle 4 \cong \angle 13$?

$//$ lines form \cong corr. \angle s

12. If $m // n$, what justifies $\angle 4 + \angle 12 = 180$?

$//$ lines form Suppl. con. int. \angle s



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2. If $\angle 2 \cong \angle 7$, what justifies $a \parallel b$?

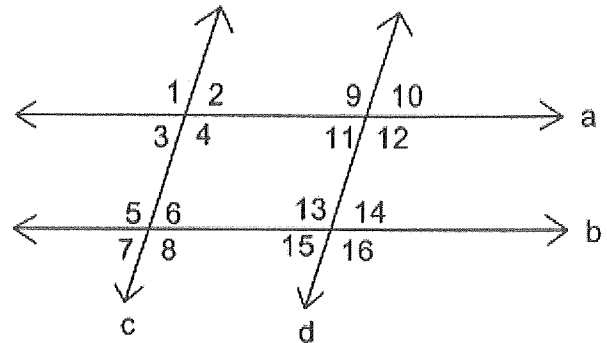
3. If $\angle 7 \cong \angle 14$, what justifies $c \parallel d$?

4. If $\angle 8 \cong \angle 13$, what justifies $c \parallel d$?

5. If $\angle 4 \cong \angle 9$, what justifies $c \parallel d$?

6. If $\angle 3 + \angle 5 = 180$, what justifies $a \parallel b$?

7. If $\angle 11 + \angle 4 = 180$, what justifies $c \parallel d$?



Use the figure to the right to provide the correct justification

8. If $m \parallel n$, what justifies $\angle 9 \cong \angle 8$?

9. If $m \parallel n$, what justifies $\angle 1 + \angle 10 = 180$?

10. If $m \parallel n$, what justifies $\angle 1 \cong \angle 11$?

11. If $m \parallel n$, what justifies $\angle 4 \cong \angle 13$?

12. If $m \parallel n$, what justifies $\angle 4 + \angle 12 = 180$?

