

Practice B

For use with pages 129–135

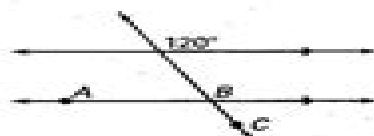
Use the diagram to determine whether the statement is true or false.

- $\angle 1 \cong \angle 6$ by the Same-Side Interior Angles Theorem.
- $\angle 2 \cong \angle 7$ by the Alternate Interior Angles Theorem.
- $\angle 3 \cong \angle 7$ by the Alternate Exterior Angles Theorem.
- $m\angle 2 + m\angle 5 = 180^\circ$ by the Same-Side Interior Angles Theorem.



Find the measure of $\angle ABC$.

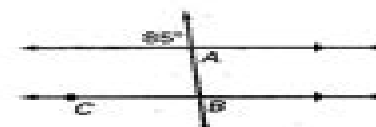
5.



6.

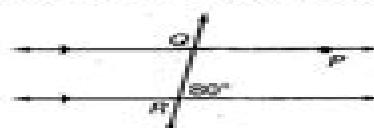


7.

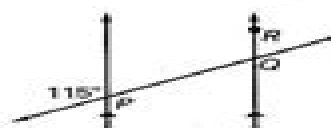


Find the measure of $\angle PQR$.

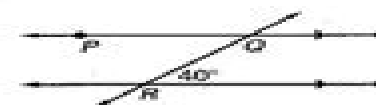
8.



9.



10.



Find the value of the variable.

11.



12.



13.



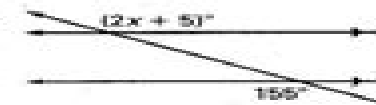
14.



15.



16.



A planting box for flowers is shown in the sketch at the right. The top of the box is parallel to the base.

- If $m\angle 5 = 108^\circ$, find $m\angle 4$.
- If $m\angle 11 = 68^\circ$, find $m\angle 7$.
- If $m\angle 1 = 109^\circ$, find $m\angle 3$.
- If $m\angle 10 = 73^\circ$, find $m\angle 7$.
- If $m\angle 1 + m\angle 2 = (5x - 10)^\circ$, find the value of x .



Geometry Practice 3 Properties Of Parallel Lines

Worksheet Answers

K Payea



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