

Complementary and Supplementary

Points, Lines, and Angles

Two angles are **complementary** if the sum of their measures is 90° .

Two angles are **supplementary** if the sum of their measures is 180° .

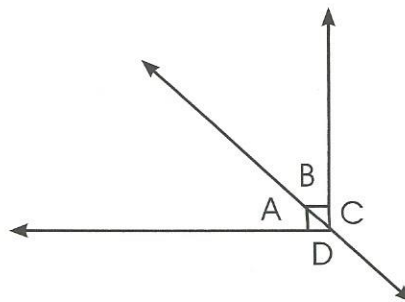
Use the diagram to the right to answer each question.

1. $m\angle A + m\angle B =$ _____

These are called _____ angles.

2. $m\angle D + m\angle \text{_____} = 180^\circ$

These are called _____ angles.



Use the diagram to the right to answer each question.

3. If $m\angle H = 43^\circ$,

$m\angle E =$ _____

$m\angle G =$ _____

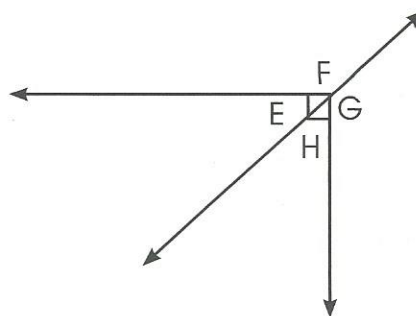
$m\angle F =$ _____

4. If $m\angle G = 132^\circ$,

$m\angle H =$ _____

$m\angle E =$ _____

$m\angle F =$ _____



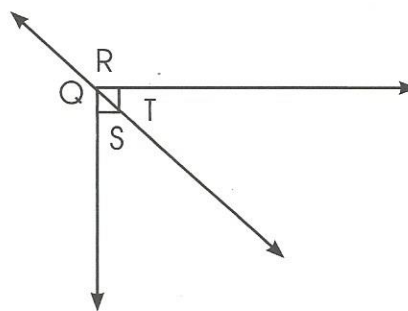
Use the diagram to the right to answer each question.

5. $m\angle R + m\angle T =$ _____

6. $m\angle Q + m\angle S =$ _____

7. $m\angle S + m\angle T =$ _____

8. If $m\angle S = 32^\circ$, $m\angle T =$ _____ $m\angle R =$ _____ $m\angle Q =$ _____



Use the diagram to the right to answer each question.

9. If $m\angle X = 45^\circ$, $m\angle R =$ _____ $m\angle Y =$ _____ $m\angle Z =$ _____

10. $m\angle X + m\angle Y =$ _____

11. $m\angle R + m\angle X =$ _____

12. $\angle R + \angle X$ are _____.

