

SECTION 1.4 DAY 1 HOMEWORK

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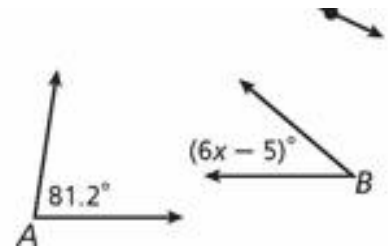
#1, 2, 7-10, 23, 24, 26, 29, 39

Vocabulary Apply the vocabulary from this lesson to answer each question.

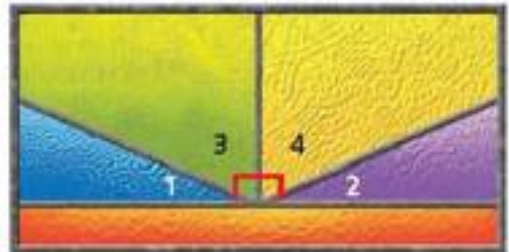
1. An angle measures x° . What is the measure of its *complement*? What is the measure of its *supplement*?
2. $\angle ABC$ and $\angle CBD$ are *adjacent angles*. Which side do the angles have in common?

Find the measure of each of the following.

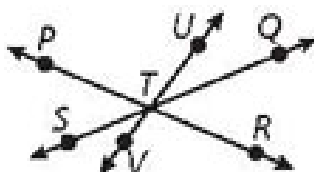
7. supplement of $\angle A$
8. complement of $\angle A$
9. supplement of $\angle B$
10. complement of $\angle B$
11. **Multi-Step** An angle's measure is 6 degrees more



23. **Art** In the stained glass pattern, $\angle 1 \cong \angle 2$. $\angle 1$ and $\angle 3$ are complementary, and $\angle 2$ and $\angle 4$ are complementary. If $m\angle 1 = 22.3^\circ$, find $m\angle 2$, $m\angle 3$, and $m\angle 4$.



24. Name the pairs of vertical angles.



Multi-Step $\angle ABD$ and $\angle BDE$ are supplementary. Find the measures of both angles.

26. $m\angle ABD = 5x^\circ$, $m\angle BDE = (17x - 18)^\circ$

Multi-Step $\angle ABD$ and $\angle BDC$ are complementary. Find the measures of both angles.

29. $m\angle ABD = (5y + 1)^\circ$, $m\angle BDC = (3y - 7)^\circ$

39. What is the value of x in the diagram?

- A 15 C 45
 B 30 D 90

