

Lines, angles, and angle relationships

Name _____

Date _____

Find the measure of the complement of an angle of the given measure.

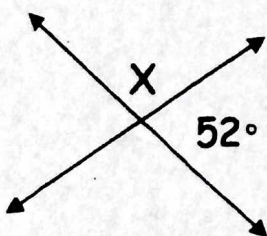
1. 56° 2. 22° 3. 70° 4. 15°

Find the measure of the supplement of an angle of the given measure.

5. 34° 6. 105° 7. 77° 8. 123°

Find the value of x in each figure. JUSTIFY your answer.

9.



$x =$ _____

because _____

10.

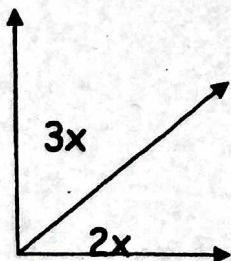


$x =$ _____

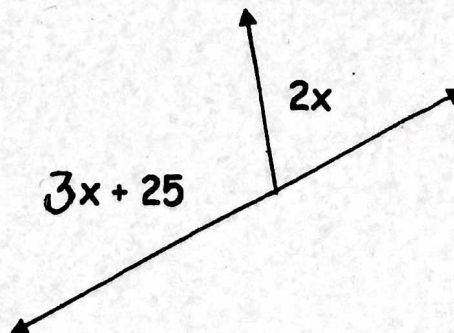
because _____

Each of the following is either complementary or supplementary. Find the measure of EACH angle.

11.

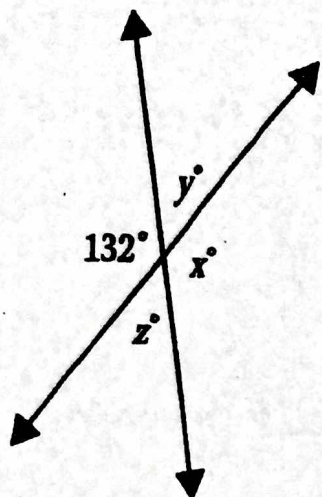


12.



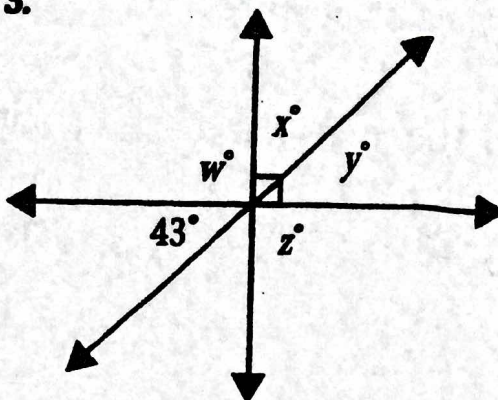
Find the missing angles. State which property you used to find the missing angles. Write your answers on the lines below each problem.

1.



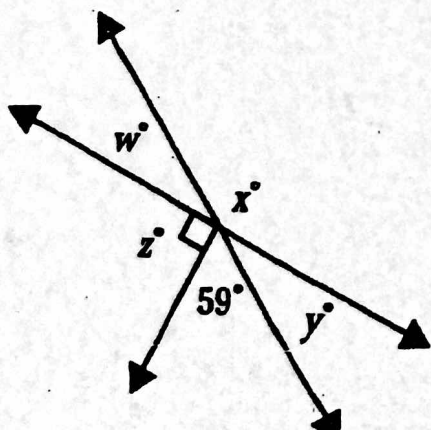
$x^\circ =$ _____
 $y^\circ =$ _____
 $z^\circ =$ _____

3.



$w^\circ =$ _____
 $x^\circ =$ _____
 $y^\circ =$ _____
 $z^\circ =$ _____

2.



$w^\circ =$ _____
 $x^\circ =$ _____
 $y^\circ =$ _____
 $z^\circ =$ _____