

Independent Practice: **SOLVING FOR SUPPLEMENTS & COMPLEMENTS**

NAME: _____

DATE: _____

PERIOD: _____

For # 1-5, write and solve the equation that would be used to find the measure of the angle described.

1. Find the measure of an angle if its measure is 50° more than its complement.

Equation: _____

$m\angle X^\circ =$ _____

$m\angle Y^\circ =$ _____

2. Find the measure of an angle if its measure is 20° less than its supplement.

Equation: _____

$m\angle X^\circ =$ _____

$m\angle Y^\circ =$ _____

3. Find the measure of an angle if its measure is twice that of its complement.

Equation: _____

$m\angle X^\circ =$ _____

$m\angle Y^\circ =$ _____

4. Find the measure of an angle if its measure is triple the difference of 80° and its supplement.

Equation: _____

$m\angle X^\circ =$ _____

$m\angle Y^\circ =$ _____

5. Find the measure of an angle if the measure of its complement is 47° .

Equation: _____

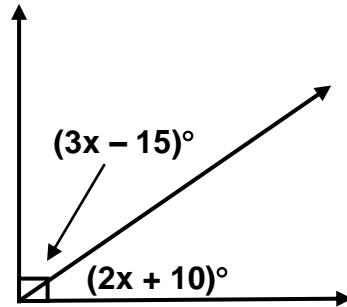
$m\angle X^\circ =$ _____

$m\angle Y^\circ =$ _____

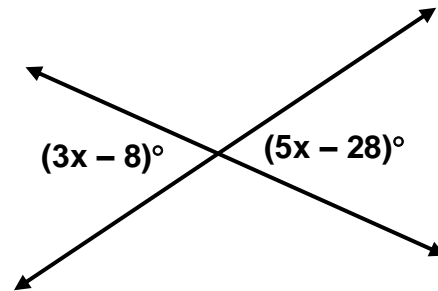
REVIEW PROBLEMS

For #6 – 7, set up and solve an equation to determine the value of x .

6. $x =$ _____



7. $x =$ _____



For # 8 – 10, use the figure on the right to find the measure of the angle indicated.

8. $m\angle 1 =$ _____°

9. $m\angle 5 =$ _____°

10. $m\angle 6 =$ _____°

