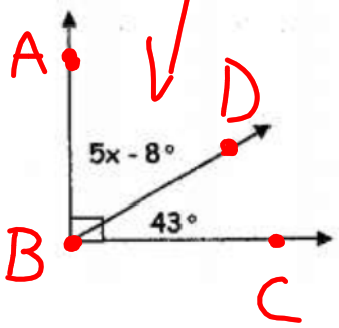
Geometry CC – Unit 1
Lesson 2: Solving for Missing Angles

Name: _____
Date: _____

Directions: Solve for the missing angle(s). Simply solving for x is not enough. You must state the measure of the missing angle(s). In order to name the angles that you solve for, please create your own labels for your angles!

1.



47°

$5x - 8 + 43 = 90$

$5x + 35 = 90$

$-35 \quad -35$

$5x = 55$

$x = 11°$

$5(11) - 8$

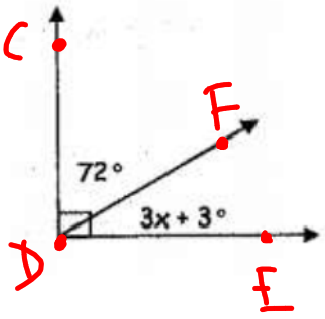
$55 - 8$

$47°$

$\angle DBC = 43°$

$\angle ABD = 47°$

2.

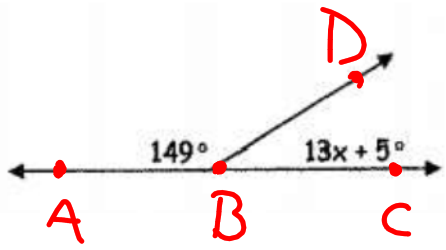


$x = 5$

missing $\angle = 18°$

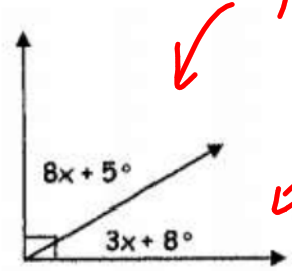
$(\angle FDE)$

3.



$31°$

4.



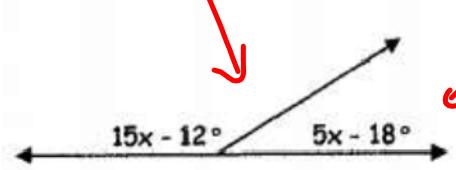
∠1

∠2

∠1 = 61°

∠2 = 29°

5.



∠1

∠2

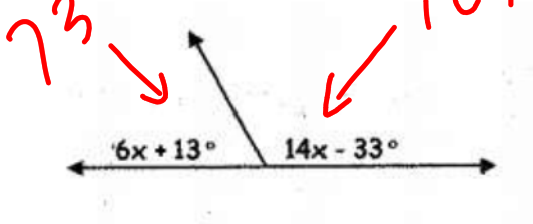
∠1 = 145.5°

∠2 = 34.5°

20x = 210

x = 10.5

6.



73°

107°

x = 10