

Geometry – Unit 1 Practice
Complementary and Supplementary Angles

G.CO.C.9

Name: _____!

Date: _____ Pd: _____

1) Definition – Two angles are complementary if _____. One angle is called the _____ of the other.

2) Are the following 2 angles complementary? Answer yes or no.

a) 40° and 50° _____

b) 36° and 54° _____

c) 46° and 53° _____

3) Find the complement of the given angle:

a) 20° _____

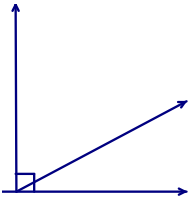
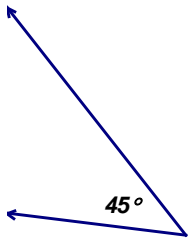
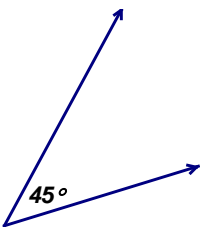
b) 35° _____

c) 78° _____

d) x° _____

4) Are the angles shown complementary? Why?

a)  b) 



5) Are complementary angles always adjacent?

6) Definition – Two angles are supplementary if _____. One angle is called the _____ of the other.

7) Write 2 pairs of supplementary angles.

a) _____ and _____

b) _____ and _____

8) Find the supplement of the given angle:

a) 35° _____

b) 178° _____

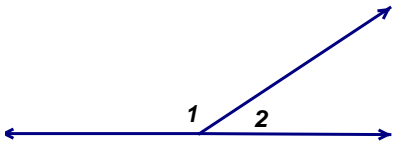
c) 90° _____

d) x° _____

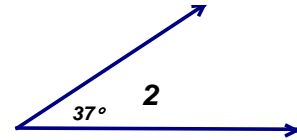
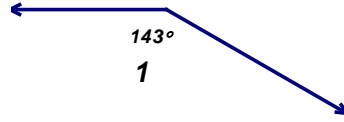


9) Are angles 1 and 2 supplementary? Why?

a)

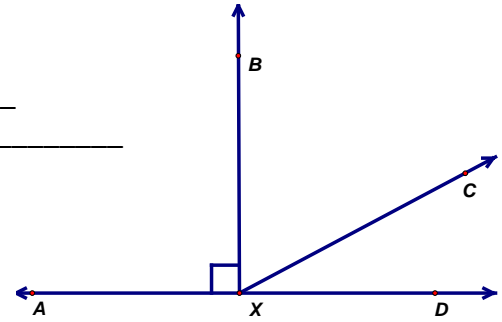


b)



10) In the diagram, $m\angle AXB = 90^\circ$. Name:

- a) 2 congruent supplementary angles. _____
- b) 2 supplementary angles that are not congruent. _____
- c) 2 complementary angles. _____
- d) a straight angle. _____



11) Given: $\overline{WE} \perp \overline{CG}$

- a) Name a pair of complementary angles.

- b) Name as many different pairs of supplementary angles as you can.

