

Name \_\_\_\_\_

Date \_\_\_\_\_

Topic : Angles - Worksheet 1

1. If two congruent angles form a supplementary, they are acute angles. (True or false)
2. Two supplementary angles measure  $(5x+20)$  and  $(x)$  degrees. What is the value of  $x$ ?
3. Two complementary angles measure  $(2x+14)$  and  $(x+20)$  degrees. What is the value of  $x$ ?
4. Measure of two angles is  $80^\circ$  and  $55^\circ$ . Are these supplementary angles?
5.  $\angle 1 = 70^\circ$  is supplement of  $\angle 2 = 110^\circ$ . (True or False)
6. Measure of two angles is  $50^\circ$  and  $40^\circ$ . Are these complimentary angles?
7. An obtuse angle is any angle that measures between  $40^\circ$  and  $80^\circ$ . (True or False)
8. An acute angle is any angle that measures between  $30^\circ$  and  $90^\circ$ . (True or False)
9. Two supplementary angles measure  $6x$  and  $60^\circ$ . How many degrees are there in  $x$ ?
10. What do you call an angle whose measure is  $60^\circ$ ?



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Topic : Angles - Worksheet 2

1. If two congruent angles form a supplementary, they are obtuse angles. (True or false)
2. Two supplementary angles measure  $(6x+24)$  and  $(x)$  degrees. What is the value of  $x$ ?
3. Two complementary angles measure  $(5x+25)$  and  $(x+30)$  degrees. What is the value of  $x$ ?
4. Measure of two angles is  $80^\circ$  and  $100^\circ$ . Are these supplementary angles?
5.  $\angle 1 = 50^\circ$  is supplement of  $\angle 2 = 90^\circ$ . (True or False)
6. Measure of two angles is  $45^\circ$  and  $45^\circ$ . Are these complimentary angles?
7. An obtuse angle is any angle that measures between  $40^\circ$  and  $80^\circ$ . (True or False)
8. An acute angle is any angle that measures between  $50^\circ$  and  $80^\circ$ . (True or False)
9. Two supplementary angles measure  $8x$  and  $70^\circ$ . How many degrees are there in  $x$ ?
10. What do you call an angle whose measure is  $120^\circ$ ?



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Topic : Angles - Worksheet 3

1. If two congruent angles form a supplementary, they are right angles. (True or false)
2. Two supplementary angles measure  $(7x+28)$  and  $(x)$  degrees. What is the value of  $x$ ?
3. Two complementary angles measure  $(9x+27)$  and  $(x+50)$  degrees. What is the value of  $x$ ?
4. Measure of two angles is  $60^\circ$  and  $90^\circ$ . Are these supplementary angles?
5.  $\angle 1 = 90^\circ$  is supplement of  $\angle 2 = 90^\circ$ . (True or False)
6. Measure of two angles is  $60^\circ$  and  $70^\circ$ . Are these complimentary angles?
7. An obtuse angle is any angle that measures between  $60^\circ$  and  $30^\circ$ . (True or False)
8. An acute angle is any angle that measures between  $30^\circ$  and  $90^\circ$ . (True or False)
9. Two supplementary angles measure  $9x$  and  $90^\circ$ . How many degrees are there in  $x$ ?
10. What do you call an angle whose measure is  $80^\circ$ ?



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Topic : Angles - Worksheet 4

1. If two congruent angles form a supplementary, they are corresponding angles.  
(True or false)
2. Two supplementary angles measure  $(8x+64)$  and  $(x)$  degrees. What is the value of  $x$ ?
3. Two complementary angles measure  $(6x+15)$  and  $(x+12)$  degrees. What is the value of  $x$ ?
4. Measure of two angles is  $60^\circ$  and  $85^\circ$ . Are these supplementary angles?
5.  $\angle 1 = 65^\circ$  is supplement of  $\angle 2 = 115^\circ$ . (True or False)
6. Measure of two angles is  $80^\circ$  and  $20^\circ$ . Are these complimentary angles?
7. An obtuse angle is any angle that measures between  $90^\circ$  and  $130^\circ$ . (True or False)
8. An acute angle is any angle that measures between  $25^\circ$  and  $88^\circ$ .  
(True or False)
9. Two supplementary angles measure  $20x$  and  $60^\circ$ . How many degrees are there in  $x$ ?
10. What do you call an angle whose measure is  $130^\circ$ ?



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Topic : Angles - Worksheet 5

1. If two congruent angles form a supplementary, they are vertical angles. (True or false)
2. Two supplementary angles measure  $(9x+70)$  and  $(x)$  degrees. What is the value of  $x$ ?
3. Two complementary angles measure  $(2x+18)$  and  $(x+10)$  degrees. What is the value of  $x$ ?
4. Measure of two angles is  $60^\circ$  and  $120^\circ$ . Are these supplementary angles?
5.  $\angle 1 = 80^\circ$  is supplement of  $\angle 2 = 120^\circ$ . (True or False)
6. Measure of two angles is  $35^\circ$  and  $55^\circ$ . Are these complimentary angles?
7. An obtuse angle is any angle that measures between  $45^\circ$  and  $85^\circ$ . (True or False)
8. An acute angle is any angle that measures between  $30^\circ$  and  $90^\circ$ . (True or False)
9. Two supplementary angles measure  $12x$  and  $40^\circ$ . How many degrees are there in  $x$ ?
10. What do you call an angle whose measure is  $90^\circ$ ?

