Name_____

SOME ANGLE SUMS

Two angles are **complementary** if the sum of their measures is 90°.

Two angles are **supplementary** if the sum of their measures is 180°.

Tell if each angle pair is complementary (C), supplementary (S), or neither (N).

1. 45°, 55° _____
4. 170°, 10° _____
Complete the table:

2. 145°, 35° _____
5. 37°, 113° _____

3. 25°, 65° _____
6. 15°, 75° _____

Angle	Complement	Supplement
7. 85°		
8. 12°		
9. 27°		
10. 30°		
11. 1°		

The measure of an **acute** angle is less than 90°. The measure of an **obtuse** angle is between 90° and 180°. State whether the following statements are true.
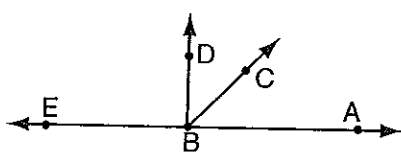
12. Two acute angles can be complementary. _____

13. Two acute angles can be supplementary. _____

14. Two obtuse angles can be complementary. _____

15. Two obtuse angles can be supplementary. _____

16. An acute angle and an obtuse angle can be supplementary. _____

Use these angles:
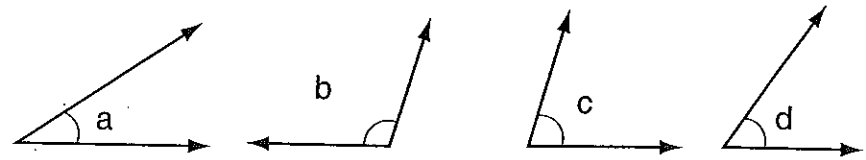
17. Which pair of angles could be complementary? _____
18. Which pair of angles could be supplementary? _____

In the diagram:

19. Angle ABC and angle _____ are complementary.
20. Angle ABC and angle _____ are supplementary.