Geometry Name_____

Summer Packet for Geometry

Date_____

Use a ruler to measure the length of each line segment. Measure each segment in inches.

Round your measurements to the nearest $\frac{1}{8}$ of an inch.

1) 

2) 

3) 

4) 

5) 

Use a ruler to measure the length of each line segment. Measure each segment in centimeters. Round your measurements to the nearest millimeter.

6) 

7) 

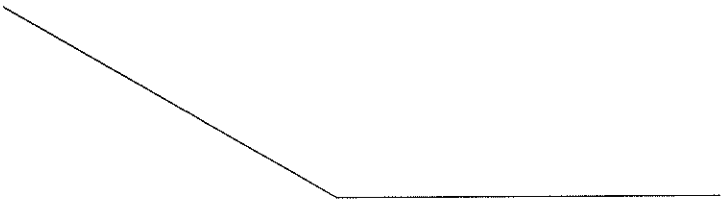
8)

9)

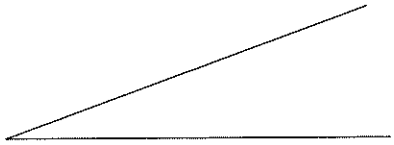
10) 

Find the measure of each angle to the nearest degree.

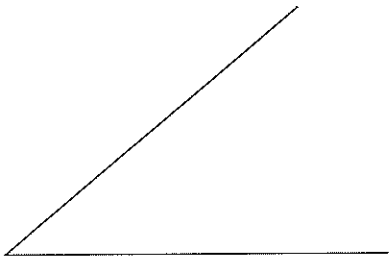
11)



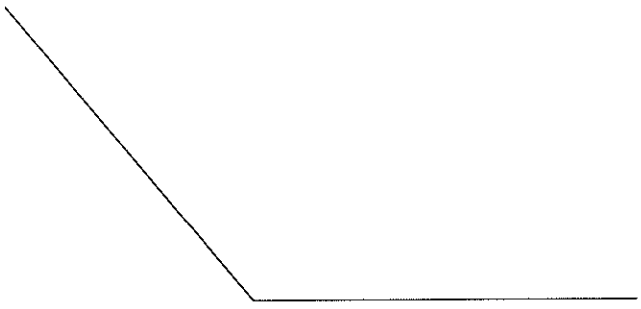
12)



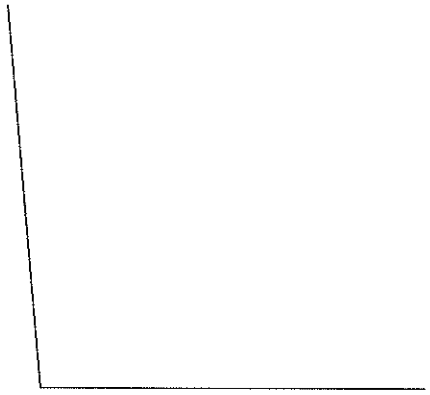
13)



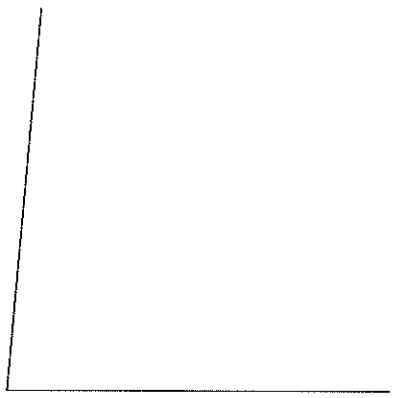
14)



15)

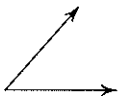


16)



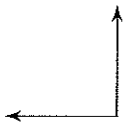
Classify each angle as acute, obtuse, right, or straight.

17)

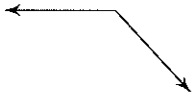


18)

19)



20)



Solve each equation.

21) $5x + 3(1 + 8x) = -200$

22) $-180 = b - 4(6b - 1)$

23) $2(8r - 7) = 114$

24) $85 = -5(-1 + 2x)$

25) $-30 - 2a = -2(8a - 7) - 2$

26) $8m + 4 = -3(-4m + 4)$

27) $a - 33 = -6(4a - 7)$

28) $5(n + 5) = 37 + n$

29) $-2 + 5(x + 5) = -(-4x - 8)$

30) $-2(7 - 7n) = -2(5 - 5n)$

Simplify.

31) $\sqrt{98}$

32) $\sqrt{250}$

33) $\sqrt{63}$

34) $\sqrt{360}$

35) $\sqrt{128}$

36) $\sqrt{150}$

37) $2\sqrt{162}$

38) $5\sqrt{54}$

39) $10\sqrt{648}$

40) $3\sqrt{72}$