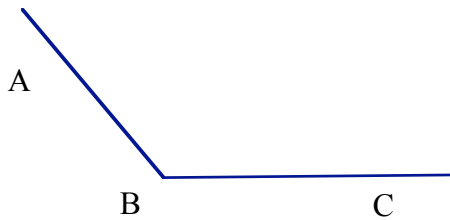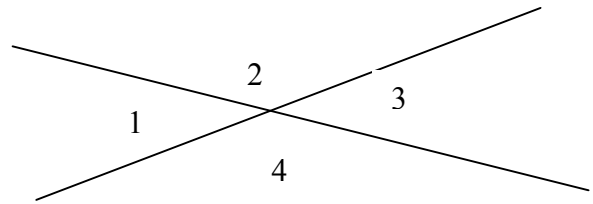Date

Definitions

1.   Angle

2.   Acute angle

3.   Angle bisector

4.   Complementary angles

5.   In the $\angle ABC$, the B is called the _____.

6.   Name the angle in three ways.

A

B   C

7.   Write $\overline{AB}$ in word form.

8.   Segment Addition Postulate

9.   Distance Formula

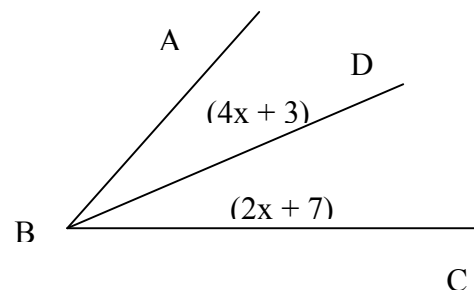10.   Name a pair of vertical angles.

2

3

1

4

11.   Find the coordinates of the midpoint of a segment with A(2,3) and B(4,5) as endpoints.

12.   The midpoint of $\overline{XY}$ is M(2, 4). One endpoint X is (–1, 7), find the coordinate of the other endpoint Y.
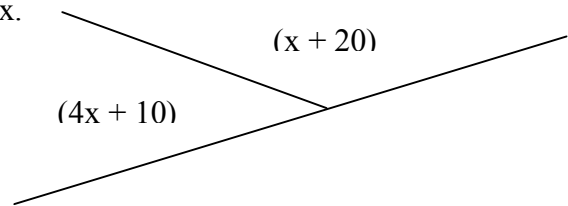
13.   If the m $\angle XYZ = 130°$ and $\overrightarrow{YP}$ bisects $\angle XYZ$, find the m $\angle PYZ$.

14.   Find the value of x if $\overrightarrow{BD}$ is the angle bisector of $\angle ABC$

A

D

(4x + 3)

(2x + 7)

B

C

15.   If $\angle Q = 70°$, find the value of x, if its complement is given by (5x + 10).

16.   Given the linear pair, find the value of x.

(x + 20)

(4x + 10)

17.   Q is between P and R on $\overline{PR}$, PQ = 2w − 3, QR = 4 + w, and PR = 34. Find the value of w.

18.   Find the distance between (1, 4) and (6, 16).

19.   If two planes intersect, their intersection is a _____.

20.   Inductive reasoning is based on _____.