

HW 1.1 due Tuesday 9/8 [4 PROBLEMS REQUIRE SUBMITTING WORK]

24 Questions

NAME : _____

CLASS : _____

DATE : _____

1. A flat surface made up of points that extend infinitely in all directions within 2 dimensions

a) Line

b) Plane

c) Segment

d) Angle

2. Points that are **not** on the same plane

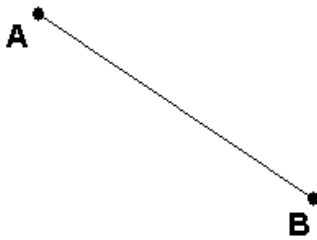
a) collinear

b) noncollinear

c) noncoplanar

d) coplanar

3.



What does the image show?

a) a line

b) a line segment

c) a ray

d) a point

4. A ____ is straight and extends in both directions forever.

a) point

b) line

c) line segment

d) ray

5. Which has only one endpoint?

a) line

b) line segment

c) ray

d) plane

6. A _____ is a fixed position in space, has no dimension or specific size and is represented by a dot.

a) Point

b) Line

c) Plane

d) Cube

7.

Name the Image



a) Angle

b) Line

c) Line Segment

d) Ray

8. Two lines intersect at a

a) angle

b) point

c) line

d) intersection

9. Two planes intersect at a...

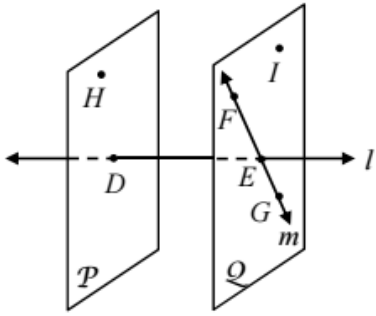
a) line

b) point

c) plane

d) letter

10.



Are points D and E collinear or coplanar?

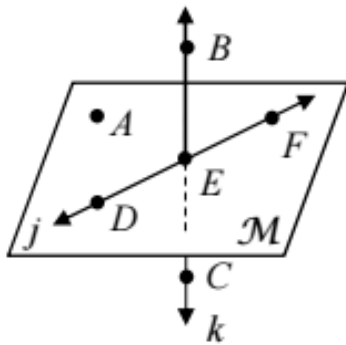
a) Collinear

b) Coplanar

c) Both

d) Neither

11.



Give another name for line k.

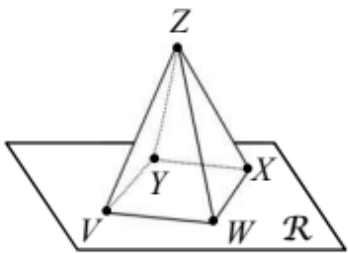
a) Line BC

b) Line BCE

c) Line ED

d) Line k is the only name, there isn't another name.

12.



How many planes appear in the figure?

a) 4

b) 1

c) 6

d) 5

13. Part of a line. Has two endpoints and includes all of the points in between.

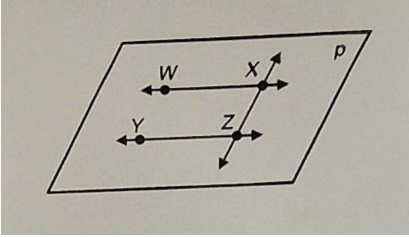
a) Point

b) Angle

c) Line

d) Line Segment

14.



Choose all that are points, in the diagram

a) Y

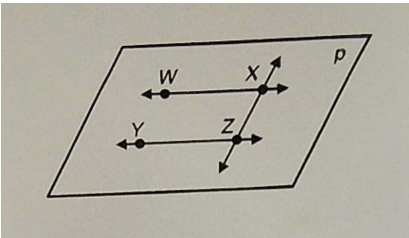
b) p

c) X

d) W

e) YZ

15.



Choose all that are lines, in the diagram

a) line WP

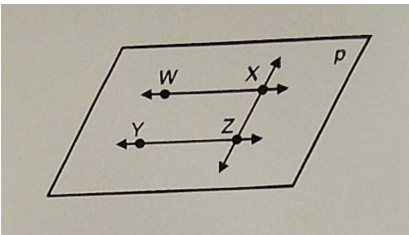
b) line XW

c) line ZX

d) line p

e) line ZY

16.



What is the geometric term for the item indicated as p?

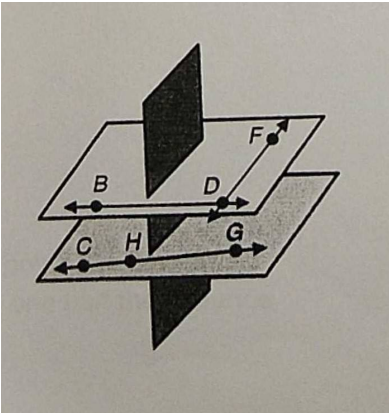
a) Point

b) Line

c) Plane

d) Space

17.

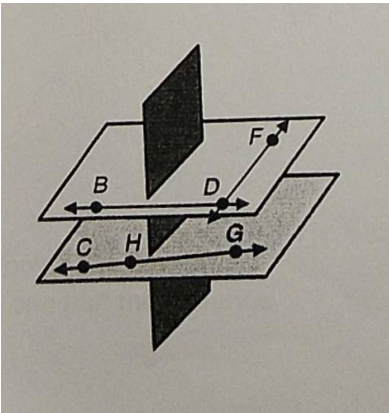


Identify all sets of collinear points

- a) B,D
- c) D,F
- e) B,C

- b) B,F
- d) C,H,G

18.

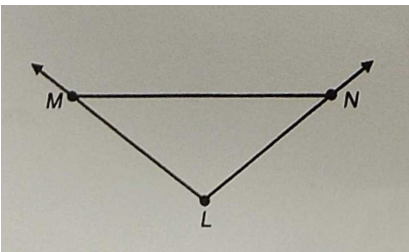


Identify all sets of coplanar lines

- a) lines BD & DF
- c) lines DF & CG

- b) lines CG & BD

19.

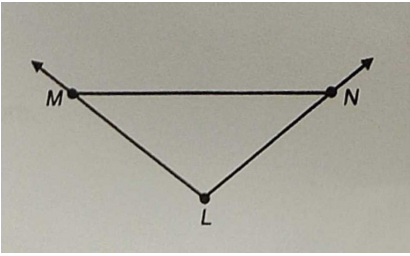


In the diagram, which are examples of rays?

- a) \overrightarrow{LM} & \overrightarrow{ML}
- c) \overrightarrow{LM} & \overrightarrow{LN} & \overrightarrow{MN}

- b) \overrightarrow{LM} & \overrightarrow{LN}

20.



How many segments are in the diagram?

a) 1

b) 2

c) 3

d) Infinitely many

21. $A(-3,2)$ $B(8,9)$ What is the midpoint of segment AB? WORK REQUIRED

a) (2.5, 11)

b) (2.5, 5.5)

c) (-5.5, -3.5)

d) (5.5, 5.5)

22. $T(8,8)$ $P(5,5)$ Determine TP (remember, no symbol on top means length, so you are determining the length of TP. WORK REQUIRED

a) 4.2

b) -4.2

c) 18

d) (6.5, 6.5)

23. Given $D(7,5)$ and $T(-3,6)$, what is the distance from D to T? WORK REQUIRED

a) 9.95

b) 10.04

c) 4.12

d) (2.5, 5)

24. Find the midpoint of a segment with endpoints of $(-20, 8)$ and $(-2, 4)$. WORK REQUIRED

a) (-11, 2)

b) (-22, 12)

c) (-11, 6)

d) (-9,2)