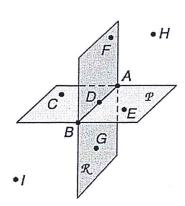
Name:	Key	

1) I can identify and label a point, line, segment, ray and plane.

a)



Name a segment AB (Answers May Vary)

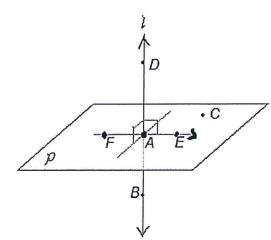
Name a segment AB (Answers May Vary)

Name the horizontal plane in two different ways  $\mathcal{L}$ 

Are points B, C and I coplanar? Why?

NO, Because I is not in the plane

b)



Name all possible lines, rays and segments formed by points D and B

DB, DB, DB, AD, AD, AD AB, AB, AB (You Can have more)

Name the vertical line in two different ways DB , AB

 $\overrightarrow{AE}$  is an example of \_\_\_\_\_\_

Name all the coplanar points related to the given plane F, A, E, C

Are points A, B and C collinear? Why? NO, They do not

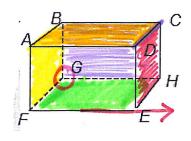
Are points C and D collinear? Why?

Name two opposite rays AD, AB

Name the given plane in two different ways

(Answers may vam)

c)



Name the plane represented by the top of the box.

HBC (Hinsway

Name the intersection of plane DCH and plane ABC\_\_\_\_

nlano ARE

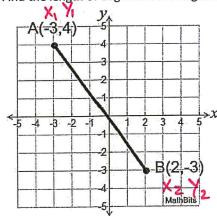
Name the intersection of plane **FGH**, plane **BCH** and plane **ABF**\_

Modify the drawing in such way that  $\overline{EF}$  becomes  $\overline{FE}$ .

Draw an errow passed E.

## 2) Use/know/apply appropriate formulas based on the context

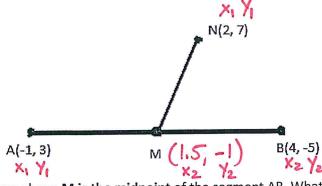
- distance formula
- midpoint formula
  - a) Find the length of segment AB using the diagram below. Round your answer to the nearest tenth. 1 unit = 1 inch



 $d = \sqrt{(2-(-3))^2 + (-3-4)^2}$   $d = \sqrt{5^2 + 7^2}$   $d = \sqrt{74}$ Length = 8.60 inches

b) If an objects travel from A(-5, -6) to B(3, 5) and then to C(8, -2), what is the total distance traveled?





$$M\left(\frac{-1+4}{2},\frac{3-5}{2}\right)$$

In the figure above M is the midpoint of the segment AB. What is the length of the segment MN?

d) The amusement park that you are going to is mapped on a coordinate grid with entrance being at the origin (0, 0). Picture booth is located at the point (1, 5) and Food stand is located at (4, 9). If you walked from the entrance to the picture booth, then to the food stand what was your **total** distance walked if **1 unit = 1 yard**?

XI YI

$$M(-2,-8)$$

e) The segment FG has the endpoint F at (-3, -5). If its midpoint has the coordinates (-2, -8), what are the coordinates of the other endpoint, G?

$$\frac{-5+1/2=-8}{a}$$