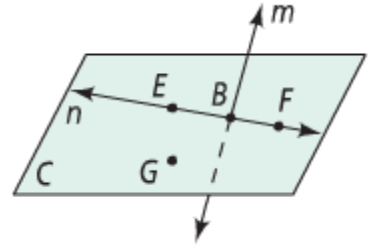


1.1 PRACTICE SOLUTIONS

Use the figure at the right for 1-4

1. What are two other ways to name \overleftrightarrow{EF} ? \overleftrightarrow{BF} or \overleftrightarrow{EB}
2. What is another way to name plane C? plane $EBFG$
(points can be in any order)
3. Name three collinear points. E, B, F
4. Name four coplanar points. E, B, F, G



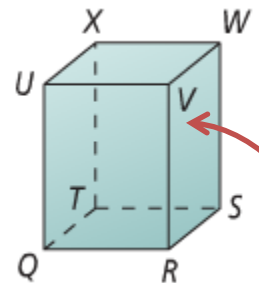
Use the figure at the right for 5-8

5. Name the segments in the figure. $\overline{RS}, \overline{RT}, \overline{RW}, \overline{ST}, \overline{SW}, \overline{TW}$
6. Name the rays in the figure with endpoint S. $\overrightarrow{SR}, (\overrightarrow{ST} \text{ or } \overrightarrow{SW})$
7. Name the pair of opposite rays with endpoint T.
 \overrightarrow{TW} and $(\overrightarrow{TS} \text{ or } \overrightarrow{TR})$
8. Name another pair of opposite rays. \overrightarrow{SR} and $(\overrightarrow{ST} \text{ or } \overrightarrow{SW})$



Use the figure at the right for 9-13

9. Name the intersection of planes QRS and RSW . \overleftrightarrow{RS}
10. Name the intersection of planes TXW and UQX . \overleftrightarrow{TX}
11. Name two planes that intersect at \overleftrightarrow{QU} . There are a bunch of ways to name the planes so don't freak out if yours doesn't match, it still may be correct. Here are some examples:
Plane XUQ and plane VUQ or plane TQU and plane RQU
12. Name two planes that intersect at \overleftrightarrow{VW} . There are a bunch of ways to name the planes so don't freak out if yours doesn't match, it still may be correct. Here are some examples:
Plane XUV and plane SRV or plane XWV and plane SWV
13. Draw an arrow to the plane that contains the points R, V, W



Draw the following:

14. four collinear points



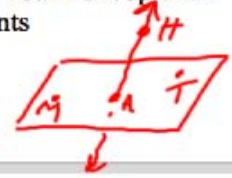
15. \overrightarrow{MA}



16. \overleftrightarrow{ET} on plane D



17. four noncoplanar points



WHO IS RIGHT?!

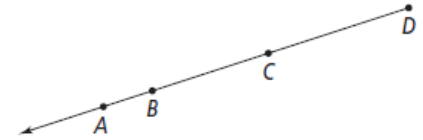
Mr. Brust and Mr. Sullivan are arguing about who is correct. Help them settle each argument by explaining who, if anyone, is right. Each argument has an included picture to the right.

18.

- Mr. Brust says “picture is called _____”
- Sully says “picture is called _____”

Who is correct, if anyone? Why?

Mr. Brust is correct. You name a ray by listing its endpoint first. The ray shown has an endpoint of D, so you must start with a D, after that you could use A, B, or C.

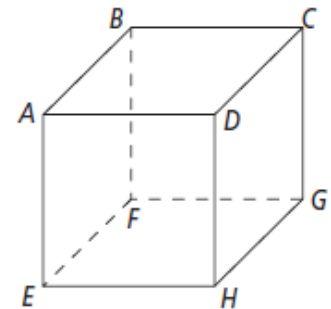


19.

- Mr. Brust says “intersection of plane ABC and plane CDH is point C ”
- Sully says “intersection of plane ABC and plane CDH is point D ”

Who is correct, if anyone? Why?

They are both wrong. 2 planes always intersect at a line NOT a point. In this case



20.

- Mr. Brust says “_____ and point D are coplanar”
- Sully says “_____ and point C are coplanar”

Who is correct, if anyone? Why?

They are both correct!

