

8/29/19 - Warm Up Problem

Name the plane.

Plane R or plane CBE

Name an acute angle.

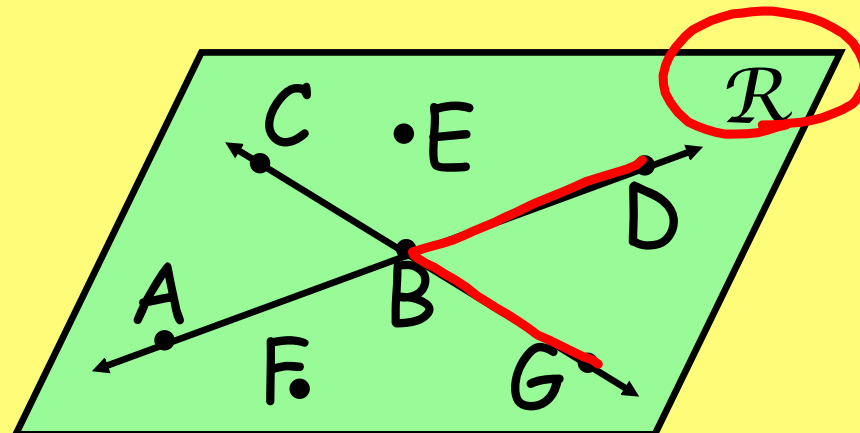
$\angle DBG$

Name \overleftrightarrow{AB} in another way.

\overleftrightarrow{BD}

Name the intersection of \overleftrightarrow{AB} and \overleftrightarrow{CG} .

B



Concept 1 Worksheet - due Friday

DEFINITIONS OF GEOMETRIC FIGURES

Use the diagram to the right to answer these questions.

25. Which two segments are congruent?

26. Name an obtuse angle from the diagram.

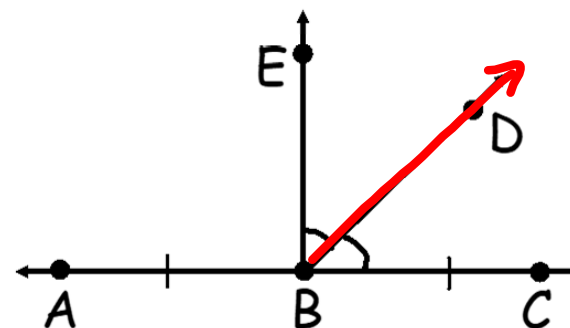
27. Name an acute angle from the diagram.

28. Which two angles are congruent?

29. Which ray is an angle bisector?



30. Where is the midpoint of \overline{AC} ?



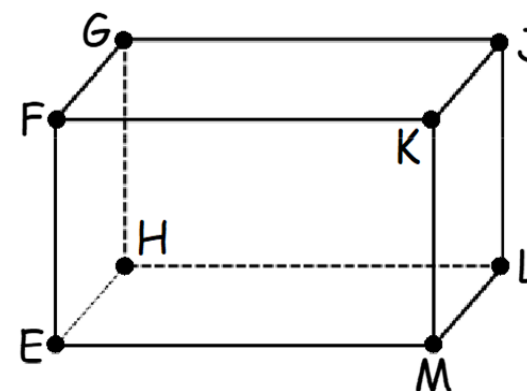
Use the second diagram to answer these questions.

31. Name a segment that appears parallel to FK.

32. Name a segment that appears parallel to ML.

33. Name a segment that appears perpendicular to HL.

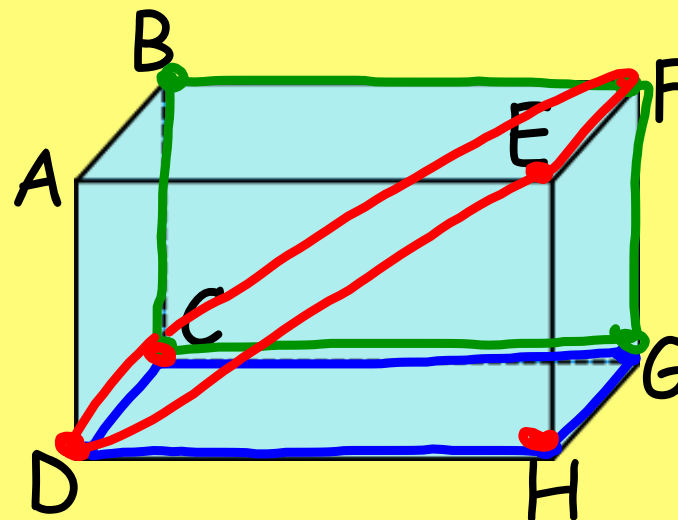
34. Name a segment that appears perpendicular to FE.



QUIZ Review - Concept 1

Name the intersection
of plane CDG and
plane BFC \longleftrightarrow
CG

Are D, C, H, and E
coplanar? **NO**



Solving Equations Review

Solve each equation.

$$\begin{array}{r} 3x - 5 = 19 \\ +5 \quad +5 \\ \hline 3x = 24 \\ \underline{3} \quad \underline{3} \\ x = 8 \end{array}$$

$$\begin{array}{r} 36 = 6 - 5x \\ -6 \quad -6 \\ \hline 30 = -5x \\ \underline{-5} \quad \underline{-5} \\ -6 = x \end{array}$$

Solving Multi-Step Equations Review

Equations with Variables on 1 Side

1. Simplify each side - put like terms together
2. Isolate the variable - use opposite operations

$$\begin{array}{r} 3x + 5x - 3 = 21 \\ 8x - 3 = 21 \\ +3 \quad +3 \\ \hline 8x = 24 \\ \frac{8x}{8} = \frac{24}{8} \\ x = 3 \end{array}$$

$$\begin{array}{r} 9x - 3 - 2x + 12 = 23 \\ 7x + 9 = 23 \\ -9 \quad -9 \\ \hline 7x = 14 \\ \frac{7x}{7} = \frac{14}{7} \\ x = 2 \end{array}$$

Equations with Variables on Both Sides

1. Move the smaller x term to the other side using the opposite operation
2. Isolate the variable as usual

$$\begin{array}{r}
 3x + 5 = 12x - 40 \\
 \hline
 -3x \quad -3x \\
 \hline
 5 = 9x - 40 \\
 +40 \quad +40 \\
 \hline
 45 = 9x \\
 \begin{array}{r}
 9 \overline{)45} \\
 9 \overline{)9} \\
 \hline
 5 = x
 \end{array}
 \end{array}$$

$$\begin{array}{r}
 9x - 1 = 7x - 9 \\
 \hline
 \end{array}$$