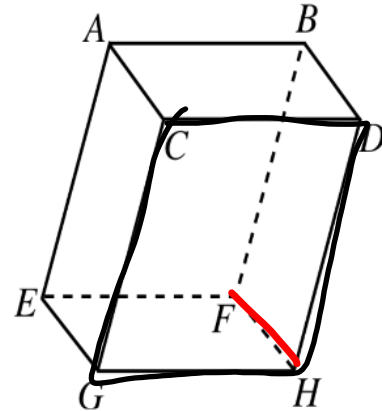


ACP Geometry
Test Review

Name: _____
Date: _____

Use Figure 2 to answer questions

Figure 2



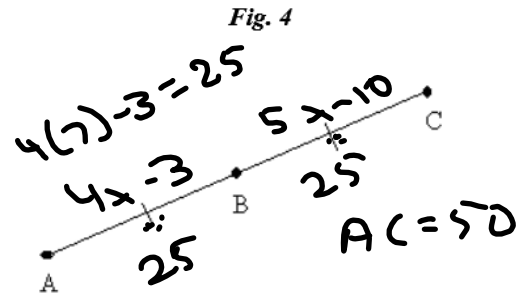
1. Name the intersection between \overleftrightarrow{BG} and \overleftrightarrow{DB} .
• B
2. Name the intersection of \overleftrightarrow{CG} and plane EFH.
• G
3. Name the intersection of plane AEG and plane BCD.
AC
4. Name the intersection of plane ADEH and plane ABFE.
AE
5. Name the intersection of point F and plane BDH.
F
6. Name two planes that intersect at \overleftrightarrow{DH} .
DHF DHG
7. Name the plane parallel to plane ABF.
CDH
8. Name a segment parallel to \overleftrightarrow{FE} .
 \overline{GH}
9. Name a line skew to \overleftrightarrow{FH} .
 \overleftrightarrow{CG}

Use figure 4 to answer questions 10-11.

10. If $AB = 4x - 3$ and $BC = 5x - 10$, find AC.

$$4x - 3 = 5x - 10$$

$$7 = x$$



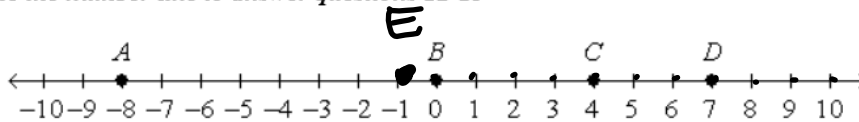
11. If $AC = 7x - 10$ and $AB = 2x + 1$, find x.

$$4x + 2 = 7x - 10$$

$$12 = 3x$$

$$4 = x$$

Use the number line to answer questions 12-13



12. Find AC.

$$|-8 - 4| = 12$$

13. Graph point E such that $\overline{AB} \cong \overline{ED}$.

$$AB = 8$$

Use figure 5 to answer question 14-17

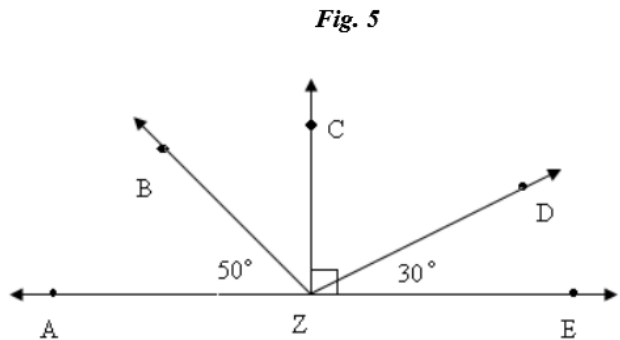
14. Find $m\angle CZD$.

$$60^\circ$$

15. Find $m\angle BZC$.

16. Find $m\angle BZE$.

17 Find $m\angle AZE$.



Use figure 6 to answer questions 18-20

Fig. 6

18. If $m\angle HOK$ is 56° , find $m\angle JOK$.

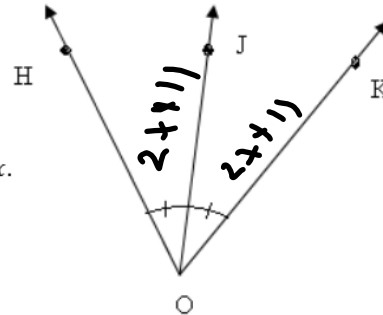
$$\frac{56}{2} = 28$$

19. If $m\angle HOK = 8x - 22$ and $m\angle HOJ = 2x + 11$, solve for x .

$$2(2x + 11) = 8x - 22$$

$$4x + 22 = 8x - 22$$

$$\frac{44}{4} = \frac{4x}{4} \quad x = 11$$



20. Use x from above to determine $m\angle HOK$.

$$8(11) - 22 =$$

$$88 - 22 = \textcircled{66}$$