Name _____ E 69

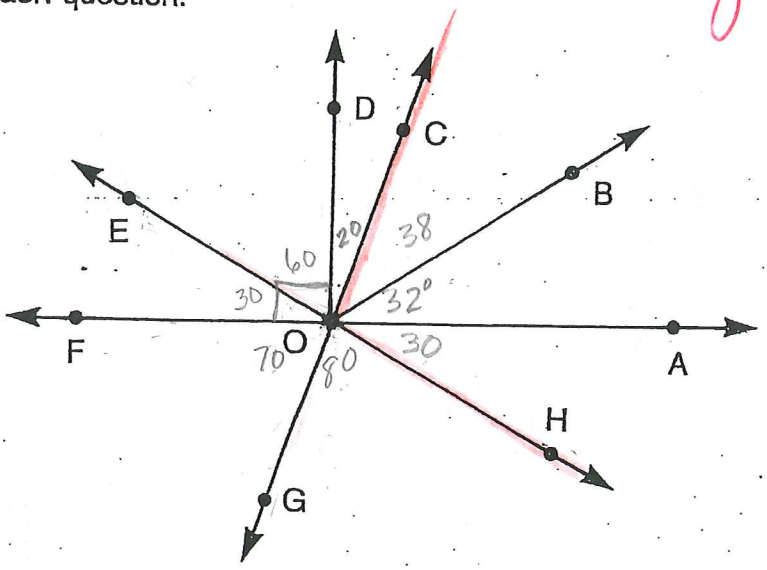
Use with text pages 182-183.

Intersecting Lines

Key

Use the diagram to answer each question.

$m\angle AOB = 32°$
$m\angle COD = 20°$
$m\angle GOH = 80°$
$m\angle DOF = 90°$



1. Name the perpendicular lines.

$\overline{FA}$ and $\overline{DO}$ and $\overline{AO}$

2. $\angle DOE$ is adjacent to which angle?

$\angle EOF$ and $\angle DOC$

3. Which angle is the complement of $\angle DOE$?

$\angle EOF$

4. Which angle is the supplement of $\angle COE$?

$\angle EOG$

5. $m\angle DOE =$ 60°

6. $m\angle EOF =$ 30°

7. $\angle FOE$ and which angle are vertical angles?

$\angle AOH$

8. $\angle COH$ and which angle are vertical angles?

$\angle EOG$

9. $m\angle COB =$ 38°

10. $m\angle AOH =$ 30°

11. $m\angle FOG =$ 70° 180 − 110

12. $m\angle FOA =$ 180°

13. Does the m $\angle EOF$ + $m\angle FOG$ equal the measure of a right angle?

no

14. Does the $m\angle DOE$ + $m\angle EOF$ + $m\angle FOG$ equal the measure of a straight angle?

Yes

15. $m\angle BOE =$ 118°

16. $m\angle BOG =$ 218°