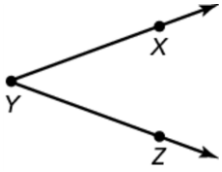
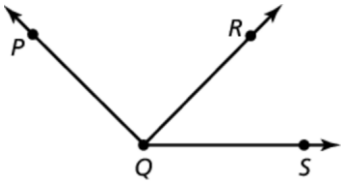
Name _____ Date _____

1.5 Practice A

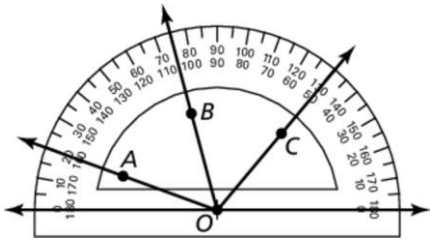
1. Write three names for the angle.



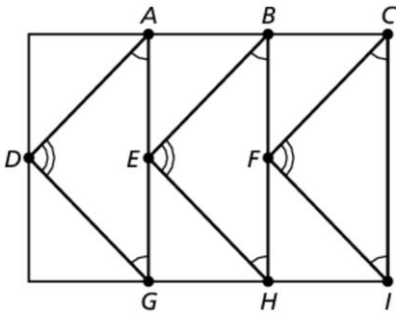
2. Name three different angles in the diagram.



3. Find the angle measure of $\angle COA$. Then classify the angle.



In Exercises 4–7, $m\angle ADG = 92°$ and $m\angle DAG = 44°$.



4. Identify the angles congruent to $\angle ADG$.

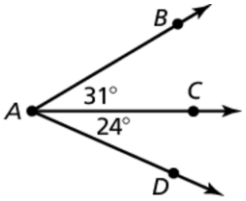
5. Identify the angles congruent to $\angle DAG$.

6. Find $m\angle CFI$.

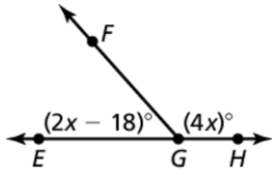
7. Find $m\angle EHB$.

In Exercises 8 and 9, find the indicated angle measure.

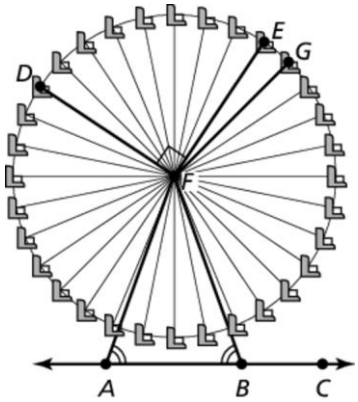
8. Find $m\angle BAD$.



9. Find x.



10. In the Ferris wheel, the measure of $\angle EFG$ is 11.25° and the measure of $\angle BAF$ is 70°.



a. Name an example of each of the four types of angles according to their measures in the diagram.

b. How many angles are congruent to $\angle EFG$?

c. What is the measure of $\angle ABF$?

d. What is the measure of $\angle CBF$?

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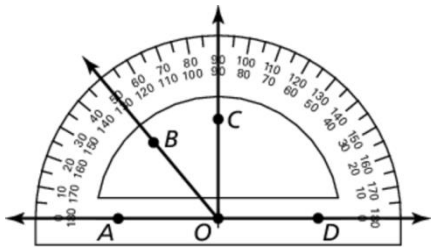
1.5 Practice B

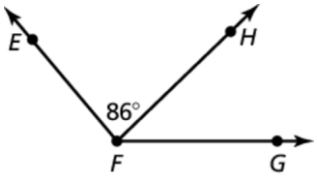
In Exercises 1–4, find the angle measure. Then classify the angle.

1. $m\angle AOB$
2. $m\angle COD$
3. $m\angle BOD$
4. $m\angle AOD$

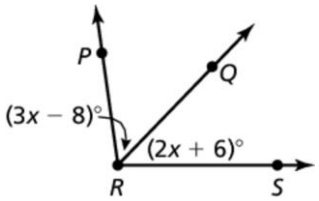


In Exercises 5–8, find the indicated angle measure.

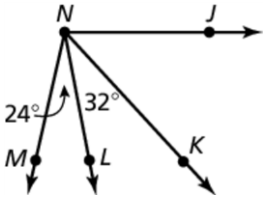
5. $m\angle EFG = 130°$. Find $m\angle HFG$.



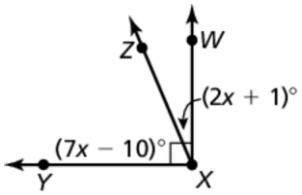
6. $m\angle PRS = 98°$. Find $m\angle QRS$.



7. $m\angle JNM = 103°$. Find $m\angle JNK$.

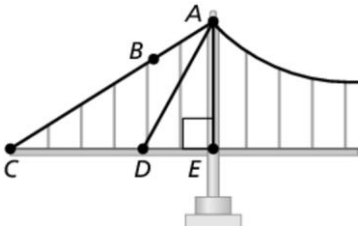


8. Find $m\angle WXZ$.



9. Your friend claims it is possible for a straight angle to consist of three acute angles. Is your friend correct? Explain your reasoning.

10. In the suspension bridge, $m\angle AEC = 90°$, $m\angle CAD = 29°$, $m\angle ADE = 61°$, and $\overrightarrow{AD}$ bisects $\angle CAE$.



   a. Name an example of an acute angle, right angle, and straight angle according to their angle measures.

   b. Which angle is congruent to $\angle CAD$?

   c. What is the measure of $\angle CAE$?

   d. What is the measure of $\angle CDA$?