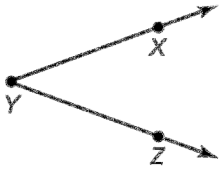
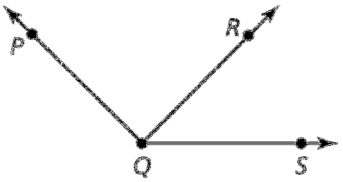
Name_____ Date _____

1.5 Assignment

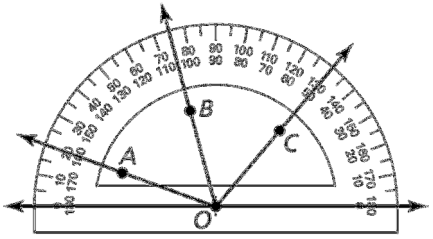
1. Write three names for the angle.



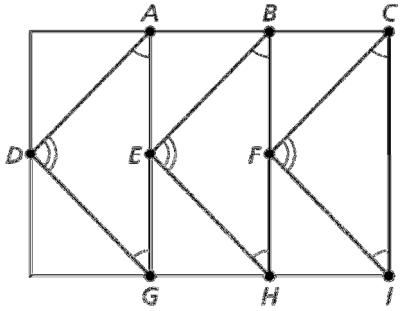
2. Name three different angles in the diagram.



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 $\angle ADG$.

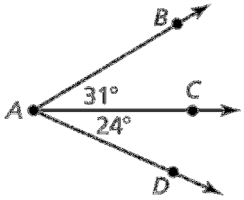
5. Identify the angles congruent to $\angle DAG$.

6. Find $m\angle CFI$.

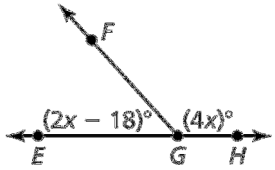
7. Find $m\angle EHB$.

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

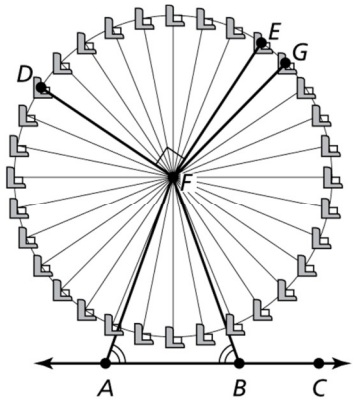
8. Find $m\angle BAD$.



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 $\angle CBF$?

Answers

1.5 Practice A

1. $\angle XYZ$, $\angle ZYX$, $\angle Y$
2. $\angle PQR$, $\angle RQS$, $\angle SQP$
3. 110°; obtuse
4. $\angle BEH$, $\angle CFI$
5. $\angle AGD$, $\angle EBH$, $\angle BHE$, $\angle FCI$, $\angle CIF$
6. 92°
7. 44°
8. 55°
9. $x = 33$
10. **a.** *Sample answer:* $\angle EFG$ is acute, $\angle DFE$ is right, $\angle FBC$ is obtuse, $\angle ABC$ is straight.
    b. 31 angles
    c. 70°
    d. 110°