Name Classwork & Homework – Blank Date

1.5 Measuring and Constructing Angles

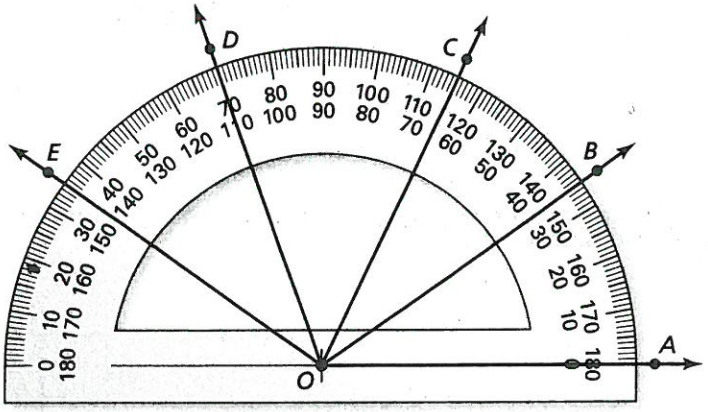
For use with Exploration 1.5

Essential Question How can you measure and classify an angle?

1 EXPLORATION: Measuring and Classifying Angles

Go to *BigIdeasMath.com* for an interactive tool to investigate this exploration.

Work with a partner. Find the degree measure of each of the following angles. Classify each angle as acute, right, or obtuse.



a. $\angle AOB$

b. $\angle AOC$

c. $\angle BOC$

d. $\angle BOE$

e. $\angle COE$

f. $\angle COD$

g. $\angle BOD$

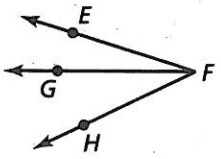
h. $\angle AOE$

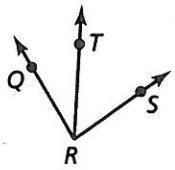
Name _____ Date _____

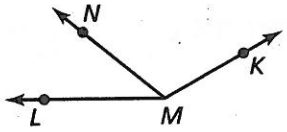
1.5 Notetaking with Vocabulary (continued)

Extra Practice

In Exercises 1–3, name three different angles in the diagram.

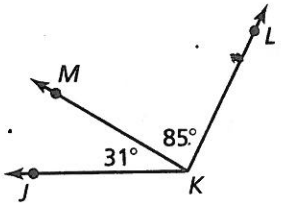
1. 

2. 

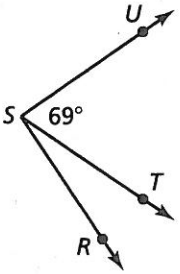
3. 

In Exercises 4–9, find the indicated angle measure(s).

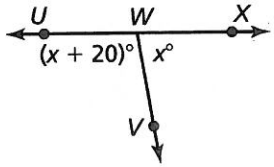
4. Find $m\angle JKL$.



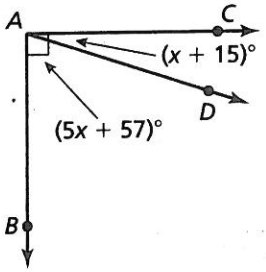
5. $m\angle RSU = 91°$. Find $m\angle RST$.



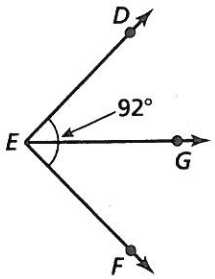
6. $\angle UWX$ is a straight angle. Find $m\angle UWV$ and $m\angle XWV$.



7. Find $m\angle CAD$ and $m\angle BAD$.



8. $\overrightarrow{EG}$ bisects $\angle DEF$. Find $m\angle DEG$ and $m\angle GEF$.



9. $\overrightarrow{QR}$ bisects $\angle PQS$. Find $m\angle PQR$ and $m\angle PQS$.