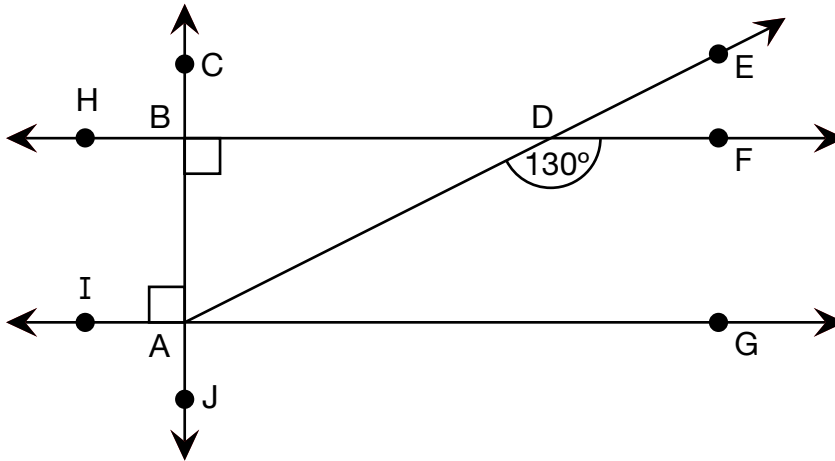


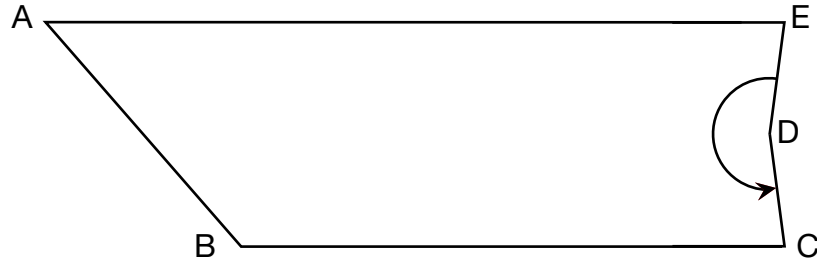
Lines, Angles, and Polygons Quiz

Use the picture below to answer Questions 1–8.

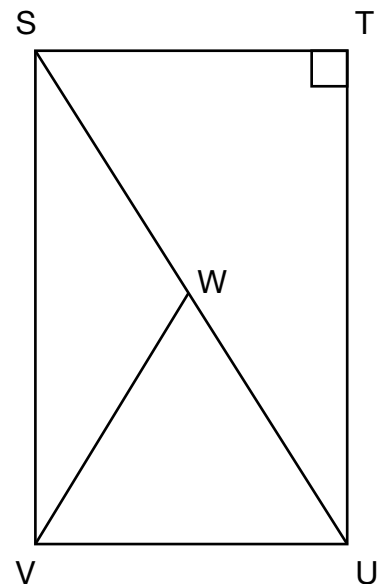


1. Is $\angle DAG$ acute, right, or obtuse? Explain why you think so.
2. Name an obtuse angle in the picture. _____
3. **A.** Circle point B in the picture.
B. Use a ruler to draw the line segment \overline{FG} .
4. Circle *all* the possible answers. \overleftrightarrow{BF} and \overleftrightarrow{AG} are _____.
A. parallel rays
B. intersecting rays
C. not intersecting rays
D. perpendicular rays
5. Circle *all* the possible answers. \overleftrightarrow{CA} and \overleftrightarrow{AG} are _____.
A. parallel lines
B. intersecting lines
C. not intersecting lines
D. perpendicular lines
6. Where do \overleftrightarrow{AE} and \overleftrightarrow{BF} intersect? _____.
7. Use a ruler to draw a new line in the picture that is parallel to \overleftrightarrow{CA} .
8. Find the measure of $\angle BDA$ and $\angle BAD$. Write the angle measures on the picture above.

Use the picture of polygon ABCDE below to answer Questions 9–11.



9. Circle the best estimate for the measure of $\angle A$. Do not use a protractor.
 110° 10° 85° 170° 50°
10. Circle the best estimate for the measure of reflex $\angle D$. Do not use a protractor.
 80° 170° 195° 45° 350°
11. A. Use a protractor to find the measure of $\angle B$ and $\angle E$ to the nearest degree.
 $\angle B =$ _____ $\angle E =$ _____
- B. Explain how you know your answers are reasonable by describing the size of $\angle B$ and $\angle E$.
12. Rectangle STUV is built from three triangles. Triangle UVW has three equal angles. Without using a protractor, find the measure of the angles below. Write the angle measures on the picture.



- A. $\angle WUV =$ _____
- B. $\angle WVS =$ _____
- C. $\angle TSU =$ _____

Name _____ Date _____

**Lines, Angles, and Polygons Quiz
Feedback Box**

	Expectation	Check In	Comments
Use addition and subtraction to find unknown angles. [Q# 8, 12]	E1		
Classify acute, obtuse, and right angles. [Q# 1, 2]	E2		
Identify points, rays, lines, and line segments. [Q# 3, 7]	E3		
Draw and identify intersecting, perpendicular, and parallel lines. [Q# 4, 5, 6, 7]	E4		
Estimate the size of an angle using benchmarks. [Q# 9, 10]	E11		
Use a protractor to measure angles. [Q# 11A]	E12		

Yes ... Yes, but ... No, but ... No ...

MPE3. Check for reasonableness. I look back at my solution to see if my answer makes sense. If it does not, I try again. [Q# 11B]				
MPE6. Use labels. I use labels to show what numbers mean. [Q# 8, 11A, and 12]				