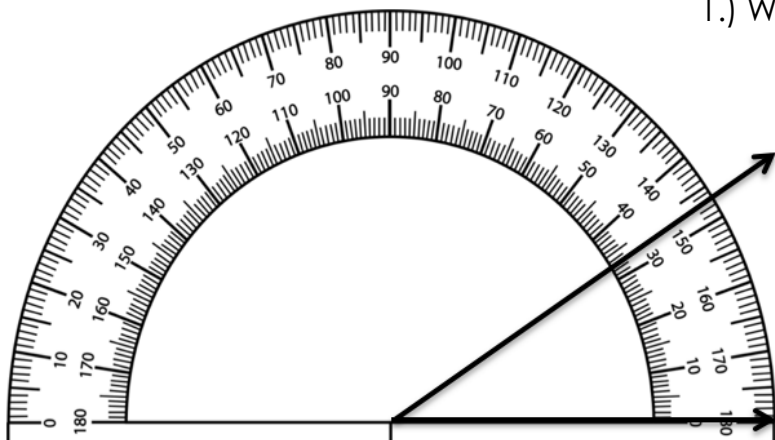


Name: _____

Unit 8 Study Guide

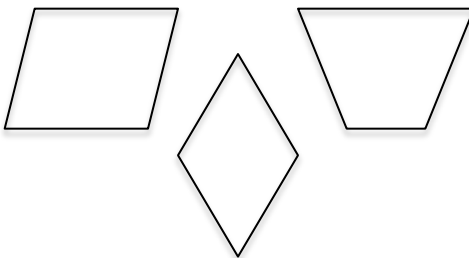
1.) What is the measure of the angle?



- A.) 33°
- B.) 47°
- C.) 147°
- D.) 153°

2.) Circle the descriptions that **ALL** the shapes have in common. Pick more than one!

- All are quadrilaterals
- All have two pairs of parallel sides
- All have perpendicular sides
- All have intersecting sides
- All have obtuse and acute angles



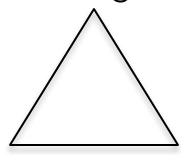
3.) What is a quadrilateral? _____

4.) Write each fraction as a degree. Draw an angle to represent each fraction/degree.

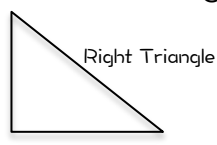
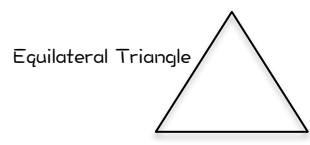
$$\frac{35}{360}$$

$$\frac{1}{6}$$

5.) If a triangle is ALWAYS 180 degrees, how many degrees are each angle in an **equilateral** triangle?



6.) What is the difference between an equilateral triangle and a right triangle?



7.) If an angle moves 1° every second. How many degrees is the angle after 54 seconds?

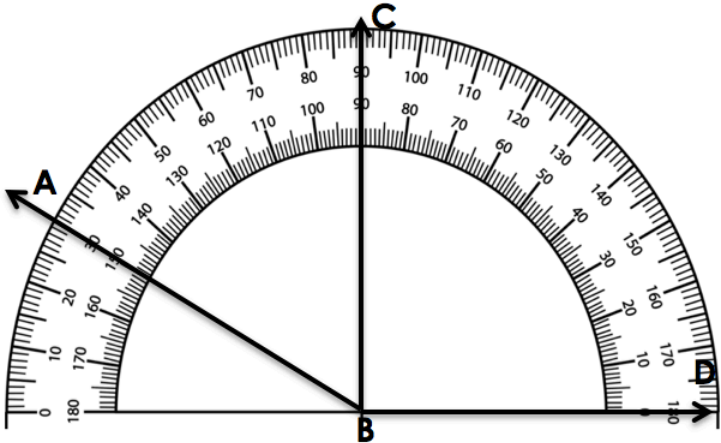
Use the angles on the protractor for the questions 8-11.

8.) Which angle is obtuse

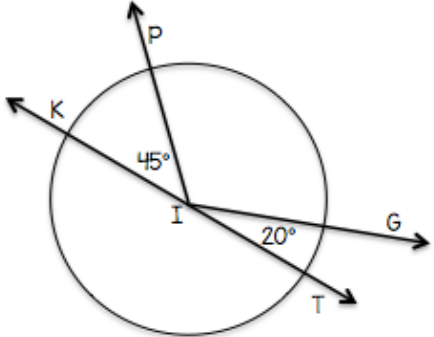
9.) Which angle is 90°

10.) Which angle is 60°

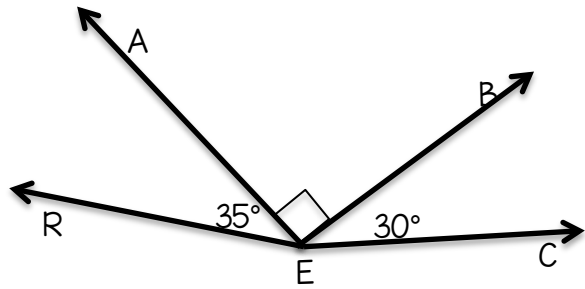
11.) Order the angles from greatest to least.



12.) Find the measure of angle PIG .



13.) What is the measure of angle REC ?

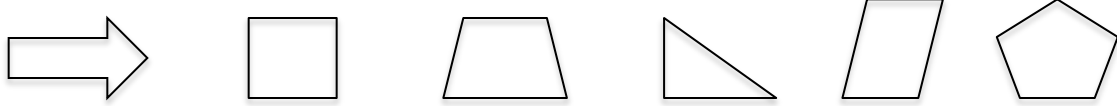


14.) Draw a line from each description to the letter it matches

- I have only a horizontal line of symmetry
- I have only a vertical line of symmetry
- I have zero lines of symmetry
- I have a vertical and horizontal line of symmetry

A
E
X
S

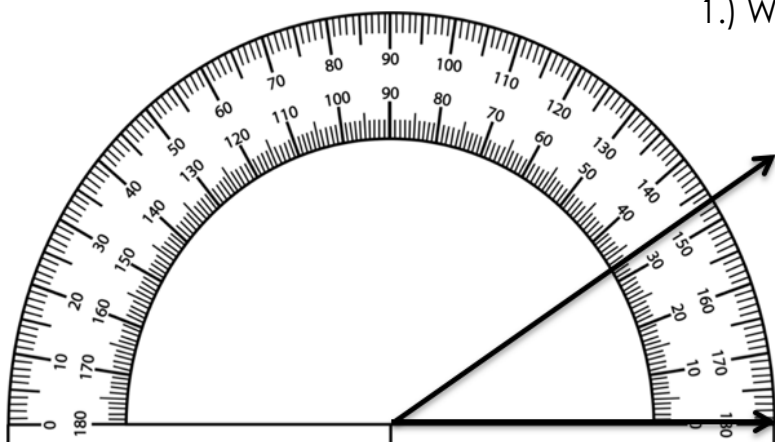
15.) Circle all the polygons that have right angles.



Name: _____

Unit 8 Study Guide

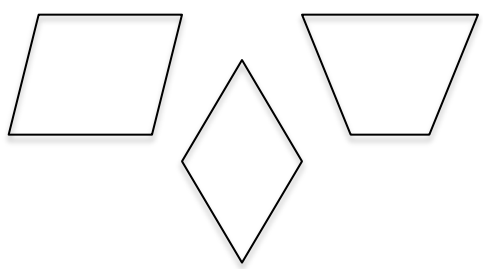
1.) What is the measure of the angle?



- A.) 33°
- B.) 47°
- C.) 147°
- D.) 153°

2.) Circle the descriptions that **ALL** the shapes have in common. Pick more than one!

- All are quadrilaterals
- All have two pairs of parallel sides
- All have perpendicular sides
- All have intersecting sides
- All have obtuse and acute angles



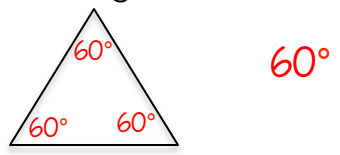
3.) What is a quadrilateral? A shape/polygon with four sides.

4.) Write each fraction as a degree. Draw an angle to represent each fraction/degree

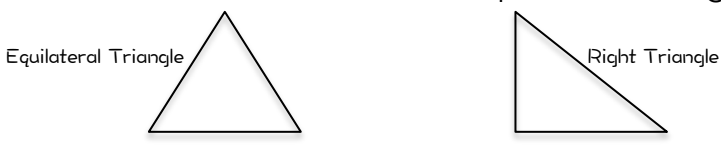
$$\frac{35}{360} = 35^\circ$$

$$\frac{1}{6} = 60^\circ$$

5.) If a triangle is ALWAYS 180 degrees, how many degrees are each angle in an **equilateral** triangle?



6.) What is the difference between an equilateral triangle and a right triangle?



An equilateral triangle has only acute angles and a right triangle must have a right angle which makes the other two angles acute.

7.) If an angle moves 1° every second. How many degrees is the angle after 54 seconds?

54°

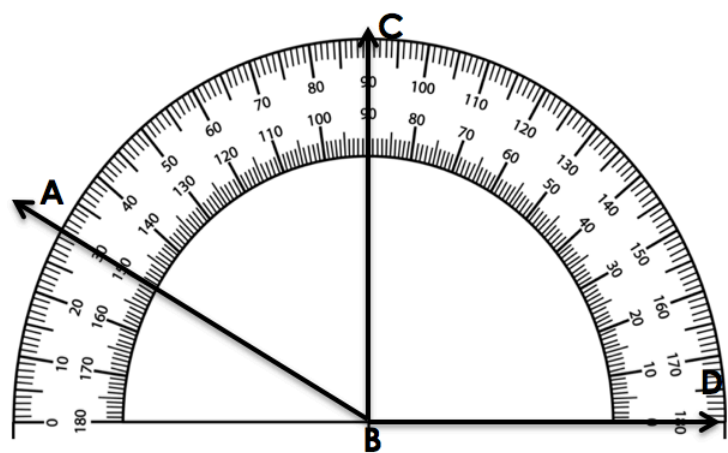
Use the angles on the protractor for the questions 8-11.

8.) Which angle is obtuse **ABD**

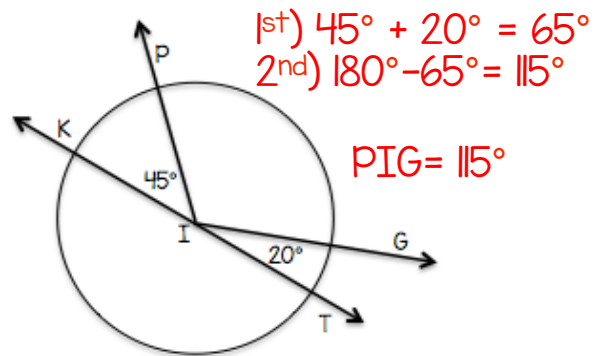
9.) Which angle is 90° **CBD**

10.) Which angle is 60° **ABC**

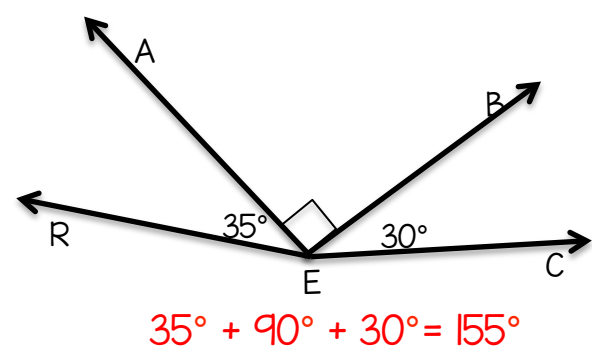
11.) Order the angles from greatest to least. **ABD, CBD, ABC**



12.) Find the measure of angle **PIG**.



13.) What is the measure of angle **REC**?



14.) Draw a line from each description to the letter it matches

- I have only a horizontal line of symmetry ~~_____ **A**~~
- I have only a vertical line of symmetry _____ **E**
- I have zero lines of symmetry _____ **X**
- I have a vertical and horizontal line of symmetry _____ **S**

15.) Circle all the polygons that have right angles.

