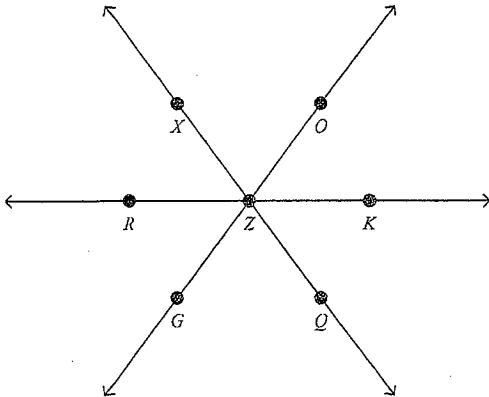


Course 3 Review for Quiz over 7-1, 7-2, 7-4 and 7-5

Multiple Choice

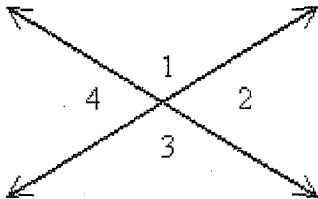
Identify the choice that best completes the statement or answers the question.

_____ 1. Which angles are adjacent angles?



- a. $\angle KZQ$ and $\angle OZK$
- b. $\angle RZX$ and $\angle OZK$
- c. $\angle XZO$ and $\angle OZK$
- d. $\angle GZR$ and $\angle OZK$

_____ 2. The measure of $\angle 1$ is 119° . Find the measure of $\angle 2$.



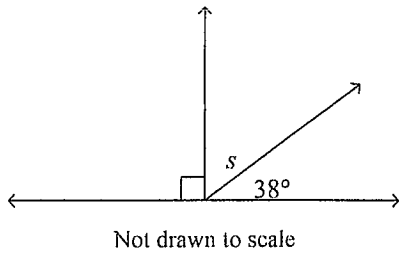
- a. 119°
- b. 61°
- c. 124°
- d. 56°

_____ 3. Select the measure of the complement or supplement of the angle. If there is no complement or supplement, select *no complement or supplement*.

60.7°

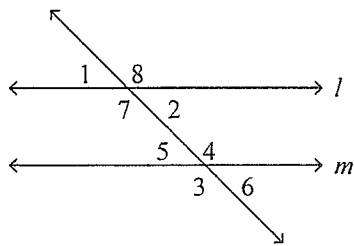
- a. 44.3°
- b. 119.3°
- c. 114.3°
- d. no complement or supplement

_____ 4. Find the measure of $\angle s$.



- a. 57° b. 137° c. 142° d. 52°

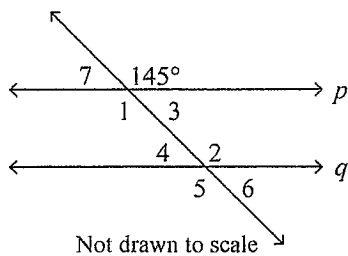
_____ 5. Identify the pair of angles as *corresponding*, *alternate interior*, *both*, or *neither*.



$\angle 6, \angle 2$

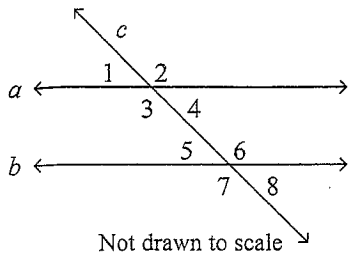
- a. alternate interior c. corresponding
 b. neither d. both

_____ 6. In the diagram, $p \parallel q$. Find the measure of each numbered angle.



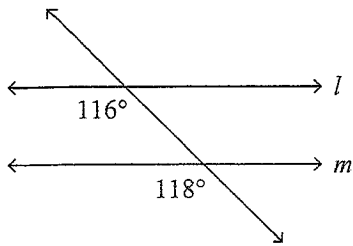
- a. $m\angle 1 = m\angle 2 = m\angle 5 = 135^\circ$
 $m\angle 3 = m\angle 4 = m\angle 6 = m\angle 7 = 35^\circ$
 b. $m\angle 1 = m\angle 2 = m\angle 5 = 35^\circ$
 $m\angle 3 = m\angle 4 = m\angle 6 = m\angle 7 = 145^\circ$
 c. $m\angle 1 = m\angle 2 = m\angle 5 = 145^\circ$
 $m\angle 3 = m\angle 4 = m\angle 6 = m\angle 7 = 35^\circ$
 d. $m\angle 1 = m\angle 2 = m\angle 5 = 145^\circ$
 $m\angle 3 = m\angle 4 = m\angle 6 = m\angle 7 = 30^\circ$

7. If a and b are parallel lines and $m\angle 3 = 128^\circ$, what is the measure of $\angle 8$?



- a. 134° b. 52° c. 54° d. 49°

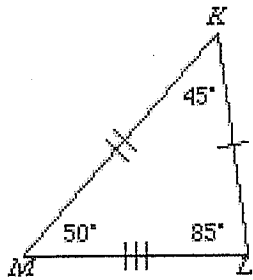
8. Is line l parallel to line m ? Explain.



Not drawn to scale

- a. No; alternate interior angles are not congruent.
 b. Yes; alternate interior angles are congruent.
 c. No; corresponding angles are not congruent.
 d. Yes; corresponding angles are congruent.

9. Classify the triangle by its sides and angles.

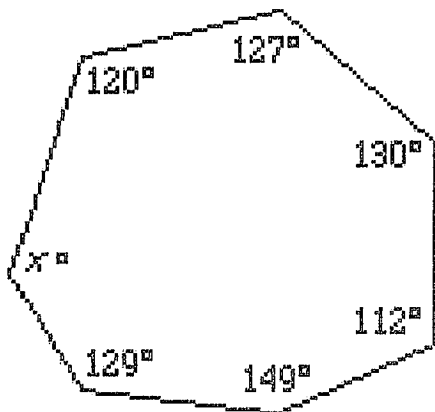


- a. equilateral b. scalene acute c. isosceles right d. isosceles acute

10. Classify the triangle with side lengths 4, 4, and 4.

- a. right b. equilateral c. scalene d. isosceles

15. Find the missing angle measure in the figure.



Not drawn to scale

- a. 126° b. 122° c. 105° d. 133°

16. Find the measure of each angle of a regular polygon with 8 sides.

- a. 140° b. 203° c. 180° d. 135°

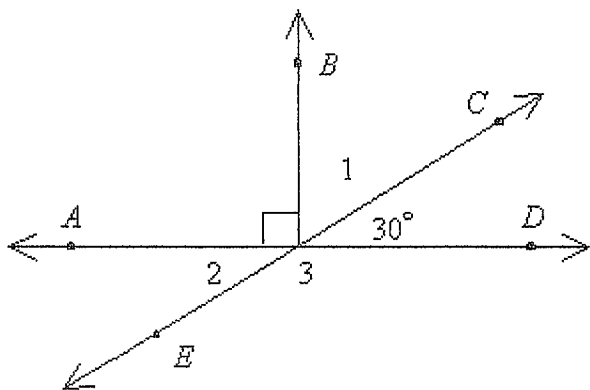
17. A porthole on a ship has a regular hexagon placed in a circular frame. What is the measure of each interior angle?

- a. 60° b. 120° c. 720° d. 90°

Short Answer

Find the measure of each numbered angle.

18.



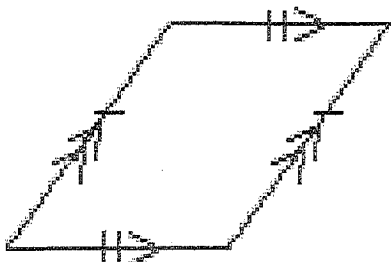
Not drawn to scale

Name: _____

ID: A

- ___ 11. Classify the triangle with angles measuring 69° , 42° , and 69° .
a. right b. equilateral c. isosceles acute d. isosceles obtuse

- ___ 12. Determine the best name for the quadrilateral.



- a. parallelogram b. rhombus c. trapezoid d. square
- ___ 13. Find the sum of the measures of the interior angles of a octagon.
a. $1,260^\circ$ b. $1,080^\circ$ c. $1,440^\circ$ d. 900°
- ___ 14. Find the sum of the measures of the interior angles of a polygon with 9 sides.
a. $1,260^\circ$ b. $1,440^\circ$ c. $1,620^\circ$ d. $1,080^\circ$

