



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Algebra and Geometry

Class: 7

Date: 01.02.21

Duration: 40 min

Worksheet Solution 7

Full Marks: 15

Lines and Angles

Choose the correct option:

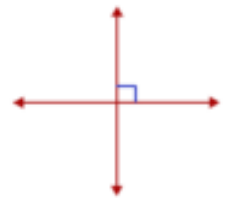
1. What is this a picture of?

- a. Perpendicular lines
- b. Parallel lines**
- c. Acute angle
- d. Obtuse angle



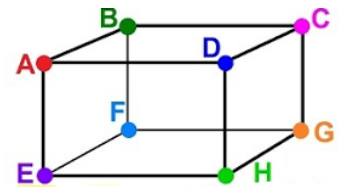
2. What is this a picture of?

- a. Acute angle
- b. Obtuse angle
- c. Parallel lines
- d. Perpendicular lines**



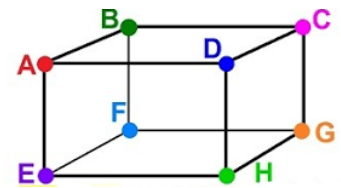
3. Name a line skew to FG

- a. EH
- b. DC**
- c. AD
- d. FB



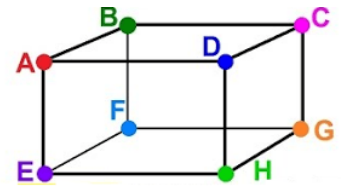
4. Name a line parallel to AD

- a. EH**
- b. AB
- c. DC
- d. HG



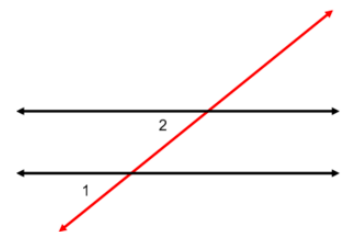
5. Name a line perpendicular to AD

- a. EH
- b. AB**
- c. CG
- d. HG



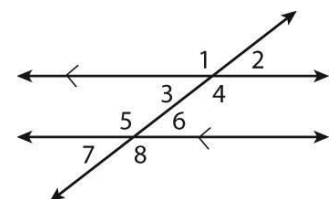
6. Name the angle relationship.

- a. Alternate Interior
- b. Alternate Exterior
- c. Corresponding**
- d. Vertical Angles



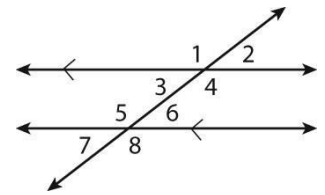
7. Which pair of angles are alternate exterior angles?

- a. Angle 7 and Angle 4
- b. Angle 2 and Angle 6
- c. Angle 8 and Angle 1**
- d. Angle 2 and Angle 8



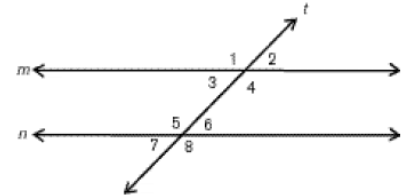
8. Which pair of angles are alternate interior angles?

- a. Angle 7 and Angle 4
- b. Angle 3 and Angle 6**
- c. Angle 8 and Angle 1
- d. Angle 2 and Angle 8



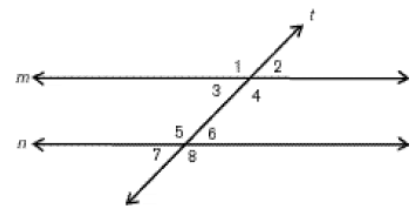
9. Which line in the picture is the transversal?

- a. m
- b. n
- c. t**
- d. none of these



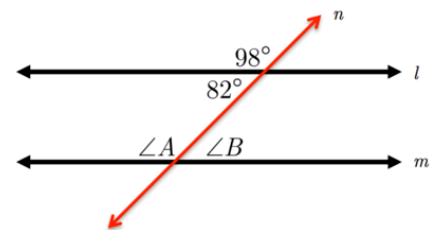
10. Name a pair of same side interior angles:

- a. 3 & 5**
- b. 1 & 2
- c. 5 & 8
- d. 2 & 7



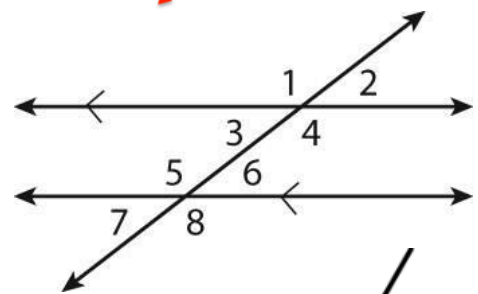
11. Identify the correct statement.

- a. $\angle B = 82^\circ$**
- b. $\angle B = 98^\circ$
- c. $\angle B = 180^\circ$
- d. $\angle B = 8^\circ$



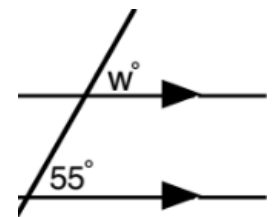
12. Which of these angles is NOT congruent to angle 5?

- a. Angle 6**
- b. Angle 8
- c. Angle 1
- d. Angle 4



13. Find w. Then tell what type of angles are shown.

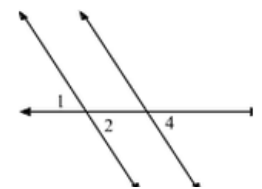
- a. 55° alternate
- b. 55° corresponding**
- c. 125° alternate
- d. 125° corresponding



14. Angle 1 = 27°

Find the measure of angle 4

- a. 27°**
- b. 153°
- c. 63°
- d. 90°



15. Identify the correct statement.

- a. $\angle C = 116^\circ$**
- b. $\angle C = 64^\circ$
- c. $\angle C = 180^\circ$
- d. $\angle C = 26^\circ$

