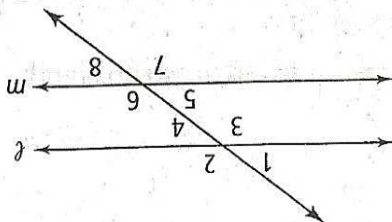


Multiple Choice

Use the diagram for Exercises 1 and 2. Line  $\ell$  is parallel to line  $m$ .



1. Which best describes  $\angle 1$  and  $\angle 5$ ?

- (A) alternate interior angles
- (B) alternate exterior angles
- (C) corresponding angles
- (D) same-side exterior angles

2. Which best describes  $\angle 6$  and  $\angle 7$ ?

- (F) vertical angles
- (G) corresponding angles
- (H) alternate exterior angles
- (I) linear pair

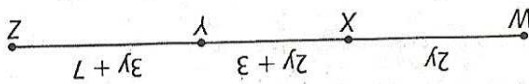
3. If an animal is a mammal, then it has fur. What is the conclusion of this conditional?

- (A) An animal is a mammal.
- (B) The animal has fur.
- (C) Mammals have fur.
- (D) Not all animals have fur.

4. Two of what geometric figure are joined at a vertex to form an angle?

- (F) points
- (G) planes
- (H) rays
- (I) lines

5. If  $WZ = 80$ , what is the value of  $y$ ?

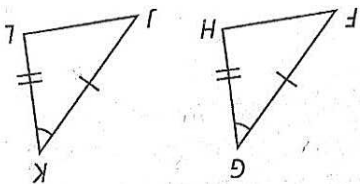


- (A) 8
- (B) 9
- (C) 10
- (D) 11

6. If  $\triangle ABC \cong \triangle DEF$ , which is a correct congruence statement?

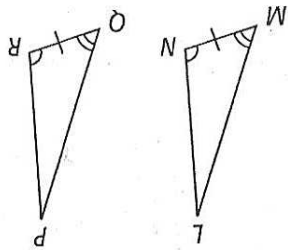
- (F)  $\angle B \cong \angle D$
- (G)  $\overline{AB} \cong \overline{EF}$
- (H)  $\overline{CA} \cong \overline{FD}$
- (I)  $\angle A \cong \angle C$

7. Which can be used to justify stating that  $\triangle FGH \cong \triangle JKL$ ?



- (A) ASA
- (B) SAS
- (C) SSS
- (D) AAS

8. Which postulate can be used to justify stating that  $\triangle LMN \cong \triangle PQR$ ?



- (F) ASA
- (G) SAS
- (H) SSS
- (I) AAS