

# **QUIZ 1**

*Plane Geometry*

Many of the problems in the following quizzes and tests say "Show your work." Occasionally, a student will be able to correctly solve the problem in his or her head without showing the steps shown in the Teacher Edition. If this happens and you conclude that the student understands the concepts, points should not be deducted.

**Sections 1.1–1.4**  
(–8 each)

**COMPLETION:** Write the correct answer in the blank at the left.

1. Two flat surfaces intersect to form a(n) line.
2. A flat surface is a(n) plane.
3. Two lines intersect to form a(n) point.
4. Two points determine a(n) straight line.
5. Through a given point, one may draw infinitely many lines. (*how many*)
6. A midpoint bisects a line segment.
7. Two line segments are equal when their endpoints can be made to coincide.
8. The shortest distance between two points is a straight line.
9. If  $a > b$  and  $b > c$ , then  $a$  >  $c$ .
10. The whole is equal to the sum of all its parts.