Self-Test 1

Name the point that appears to satisfy the description.

- 1. Equidistant from R and S
- 2. Equidistant from S and U
- 3. Equidistant from U and T

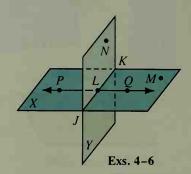
• T

U

5. Exs. 1-3

Classify each statement as true or false.

- 4. Plane Y and \overrightarrow{PO} intersect in point L.
- 5. Points J, K, L, and N are coplanar.
- **6.** Points J, L, and Q are collinear.
- 7. Draw a vertical plane Z intersecting a horizontal line l in a point T.



 $R \bullet$

Algebra Review: Linear Equations

Find the value of the variable.

1.
$$c + 5 = 12$$

4.
$$7 - z = 13$$

7.
$$3x = 15$$

10.
$$\frac{1}{3}a = 2$$

13.
$$-2b = 6$$

16.
$$42 = 6k$$

19.
$$12 = \frac{e}{3}$$

22.
$$2p + 5 = 13$$

25.
$$60 = 6t + 12$$

28.
$$8x + 2x = 90$$

20.
$$0x + 2x = 70$$

31.
$$(2g - 15) + g = 9$$

34.
$$3x = 2x - 17$$

37.
$$12 + 3b = 2 + 5b$$

39.
$$7h + (90 - h) = 210$$

41.
$$(4f + 5) + (5f + 40) = 180$$

43.
$$2(4d + 4) = d + 1$$

45.
$$180 - x = 3(90 - x)$$

2.
$$8 + c = 13$$

5.
$$15 - z = 0$$

8.
$$7x = -35$$

11.
$$\frac{3}{4}a = 9$$

14.
$$-3b = -9$$

17.
$$5 = 10k$$

20.
$$-9 = \frac{e}{3}$$

23.
$$3p - 5 = 13$$

26.
$$12 = 3r - 9$$

29.
$$8x - 2x = 90$$

32.
$$3u + (u - 2) = 10$$

$$35. \ 5y = 3y + 26$$

$$3y + 26$$

3.
$$c - 5 = 12$$

6.
$$4x = 28$$

$$9. -5x = -5$$

12.
$$\frac{4}{5}a = -20$$

15.
$$-9b = 2$$

18.
$$-16 = -4k$$

21.
$$5 = -\frac{e}{3}$$

24.
$$4p + 2 = 22$$

27.
$$55 = 7s - 8$$

30.
$$x + 9x = 5$$

33.
$$(w - 20) + 5w = 28$$

36.
$$7z = 180 - 2z$$

38.
$$4c + 23 = 9c - 7$$

40.
$$5x + (180 - x) = 300$$

42.
$$(3g - 4) + (4g + 10) = 90$$

44.
$$2(d + 5) = 3(d - 2)$$

46.
$$3(180 - y) = 2(90 - y)$$