

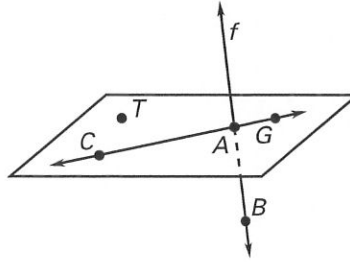
CHAPTER
1

Chapter Test A

For use after the chapter "Essentials of Geometry"

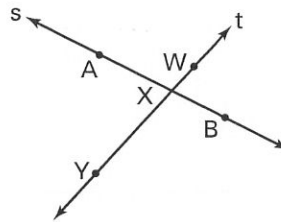
In Exercises 1–3, use the diagram.

1. Give two other names for \overleftrightarrow{AB} .
2. Name three points that are collinear.
3. Name a point not coplanar with A , C , and T .



In Exercises 4–6, use the diagram.

4. What is another name for \overleftrightarrow{XW} ?
5. Name all rays with endpoint X .
6. Give another name for \overleftrightarrow{WX} .

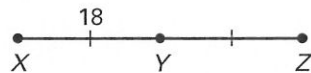


Measure the length of the segment to the nearest tenth of a centimeter.

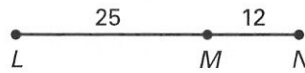
- 7.
- 8.

Find the indicated length.

9. YZ



10. LN



Find the exact distance between the points.

11. $A(2, 3)$ and $B(4, 9)$
12. $F(-4, 6)$ and $G(1, 8)$

Find the coordinates of the midpoint of the segment with the given endpoints.

13. $A(-1, 4)$ and $B(3, 6)$
14. $C(2, -3)$ and $D(-4, -1)$

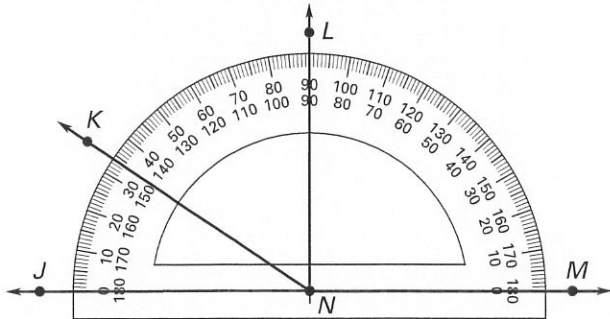
Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____

**CHAPTER
1**

Chapter Test A *continued*
For use after the chapter "Essentials of Geometry"

In Exercises 15–17, use the diagram to find the measure of the indicated angle. Then classify the angle.



15. $\angle JNK$ 16. $\angle KNM$ 17. $\angle LNM$

In Exercises 18–20, $\angle 1$ and $\angle 2$ are complementary angles. Given the measure of $\angle 1$, find $m\angle 2$.

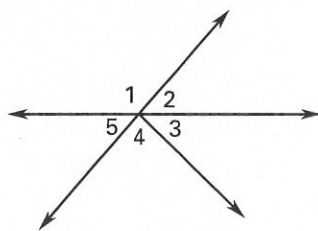
18. $m\angle 1 = 87^\circ$ 19. $m\angle 1 = 15^\circ$ 20. $m\angle 1 = 71^\circ$

In Exercises 21–23, $\angle 1$ and $\angle 2$ are supplementary angles. Given the measure of $\angle 1$, find $m\angle 2$.

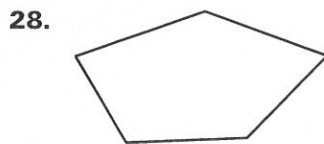
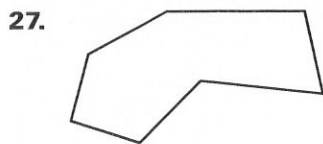
21. $m\angle 1 = 8^\circ$ 22. $m\angle 1 = 87^\circ$ 23. $m\angle 1 = 115^\circ$

In Exercises 24–26, use the diagram. Tell whether the angles are *vertical angles*, a *linear pair*, or *neither*.

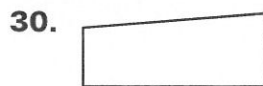
24. $\angle 1$ and $\angle 2$
25. $\angle 2$ and $\angle 5$
26. $\angle 1$ and $\angle 4$



Classify the polygon by the number of sides.



Tell whether the polygon is *convex* or *concave*.



Answers

15. _____
16. _____
17. _____
18. _____
19. _____
20. _____
21. _____
22. _____
23. _____
24. _____
25. _____
26. _____
27. _____
28. _____
29. _____
30. _____