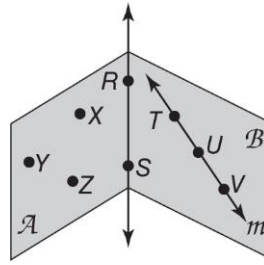


Chapter 1 Practice Test

For Exercises 1-4, use the figure at the right.



1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

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17. _____

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21. _____

22. _____

23. _____

24. _____

25. _____

26. _____

27. _____

1. What is another name for line m ?

2. Name three points on plane B .

3. Name the intersection of planes A and B .

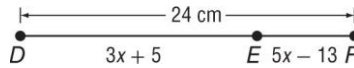
4. Name three noncollinear points.

5. What is the length of \overline{QR} ?



6. Find the length of \overline{LO} if O is between points L and M , $LM = 18.6$ centimeters, and $OM = 12.9$ centimeters.

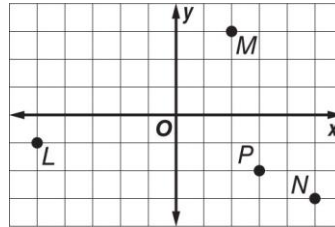
7. Find the length of \overline{DE} .



8. A triangle has an area of 24 square meters. The base is two meters longer than the height. What is the length of the base of the triangle?

9. The area of a circle is equal to the area of a square measuring 5 centimeters on each side. Find the radius of the circle.

For Exercises 10-12, use the coordinate grid.



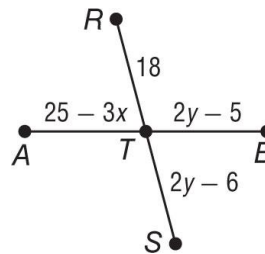
10. Find the distance between L and M .

11. Find the coordinates of the midpoint of \overline{MN} .

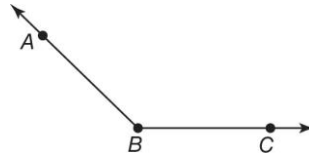
12. Find the coordinates of a point Q if P is the midpoint of \overline{NQ} .

13. The vertices of a triangle are located at $P(0, 6)$, $Q(8, 12)$, and $R(3, -3)$. What is the perimeter of this triangle?

14. Find the value of x if \overline{RS} bisects \overline{AB} and $RS = 36$.



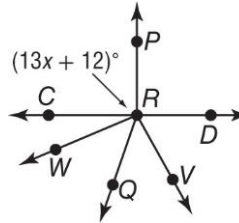
15. Measure $\angle ABC$. Then classify $\angle ABC$ as *right*, *acute*, or *obtuse*.



15. _____

In the figure, \overrightarrow{RC} and \overrightarrow{RD} are opposite rays and \overrightarrow{RQ} bisects $\angle WRV$.

16. Find the value of y if $m\angle WRQ = 48$ and $m\angle QRV = 7y + 6$.



16. _____

17. Find the value of x so that $\overline{CR} \perp \overline{PR}$.

17. _____

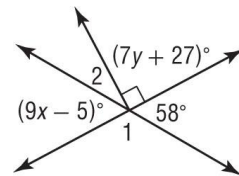
For Exercises 18-21, use the figure at the right.

18. Find the value of x .

19. Find $m\angle 1$.

20. Find $m\angle 2$.

21. Find the value of y .



18. _____

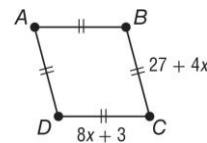
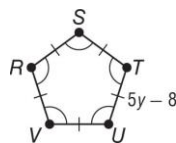
19. _____

20. _____

21. _____

For Exercises 22-23, use the polygons at the right.

22. Name polygon $RSTUV$ by its sides. Then classify it as *convex* or *concave* and *regular* or *not regular*.



22. _____

23. Find the length of each side of polygon $ABCD$.

23. _____

24. Two angles, $\angle A$ and $\angle B$, form a linear pair. Angle B is an obtuse angle. What type of angle is $\angle A$?

24. _____

25. Nadia wants to fill her rectangular fish tank with water. The fish tank measures 2 feet wide, 1 feet long, and 1.5 feet high. The water level in her fish tank needs to be 1.25 foot. She uses a bucket that holds 1.25 cubic feet of water. How many buckets of water does Nadia need to fill the fish tank?

25. _____

For 2D and 3D questions, complete #38-40 on Page 82 on a separate piece of paper.