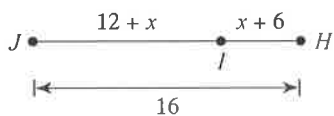


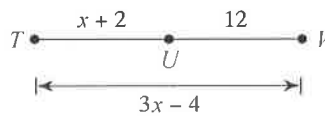
WS PC #1 Review (1.1 - 1.3)

Find the length indicated.

1) Find IH



2) Find TU



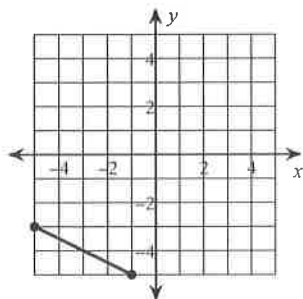
Find the midpoint of the line segment with the given endpoints.

3) $(-6, 2), (3, 7)$

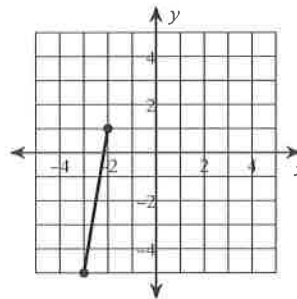
4) $(-10, -1), (7, -9)$

Find the midpoint of each line segment.

5)



6)



Find the other endpoint of the line segment with the given endpoint and midpoint.

7) Endpoint: $(-2, 0)$, midpoint: $(7, 10)$

8) Endpoint: $(6, -3)$, midpoint: $(6, 7)$

9) You travel from City X to City Y. You know that the round trip distance is 647 miles. City Z, a city you pass on the way, is 27 miles from City X. Find the distance from City Z to City Y.

10) Point M is the midpoint of line segment AB. If $AM = 3x - 4$ and $MB = 2x + 1$, find the length of AB.

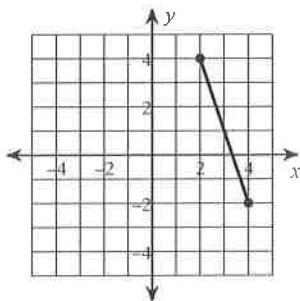
11) Point C is the midpoint of line segment BD. If $BC = 4x + 2$ and $BD = 6x + 20$, find the length of CD.

Find the exact distance between each pair of points.

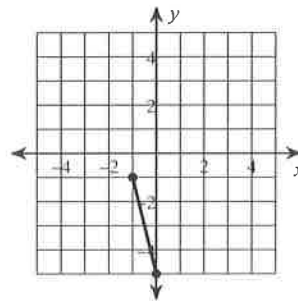
12) $(7, 4), (-5, 2)$

13) $(4, 7), (1, 3)$

14)

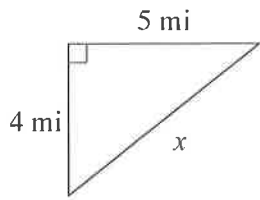


15)

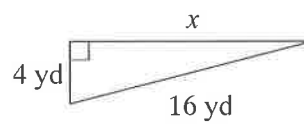


Find the missing side of each triangle. Leave your answers in simplest radical form.

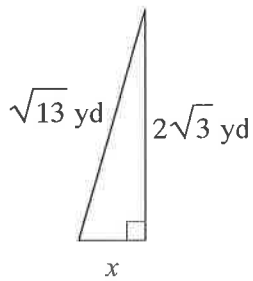
16)



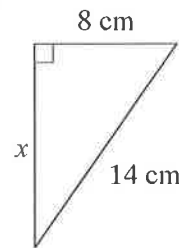
17)



18)



19)



20) Your school is 20 blocks east and 12 blocks south of your house. The mall is 10 blocks north and 7 blocks west of your house. You plan on going to the mall right after school. Find the distance between your school and the mall assuming there is a road directly connecting the school and the mall.

21) Your favorite pizza restaurant is 6 miles north of your house. Your friend lives 4 miles west of your house. Find the direct distance between the pizza restaurant and your friends house. Leave your answer in simplest radical form.

Use the diagram to the right to answer the questions.

22. Provide another name for \overleftrightarrow{PQ} .

23. Name 3 collinear points.

24. Name the intersection of line m and plane R .

25. Provide another name for plane R .

26. Name a set of opposite rays.

27. Provide another name for line m .

