

Practice Problems for Lesson 1-3

Name:

Mailbox #:

1)

Maps

The cities shown on the map lie approximately in a straight line. Use the given distances to find the distance from Lubbock, Texas, to St. Louis, Missouri.

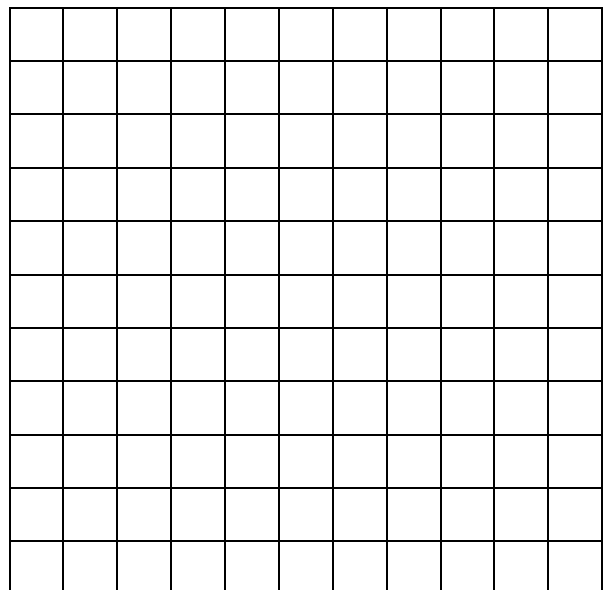


2)

Use the diagram to find GH .



3) Plot the points $A(-2, 4)$, $B(3, 4)$, $C(0, 2)$, and $D(0, -2)$ in a coordinate plane. Then determine whether AB and CD are congruent.



4) The numbers given are coordinates of two points on a number line. State the distance between the two points.

a) -10 and -12

b) 5 and 17

c) 3 and -9

In the diagram line KT bisect segment HL at point M. Classify each statement as true or false.

5) $\overline{LM} \cong \overline{MH}$

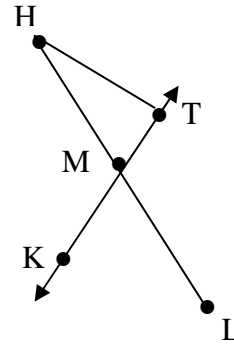
6) KM must equal MT

7) ray MT and ray TM are opposite rays

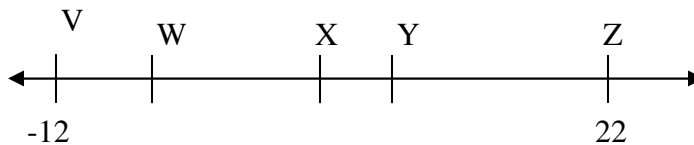
8) line LH is the same as \overline{HL}

9) $KM + MT = KT$

10) line KT is the same as line KM



Use the diagram to answer the following



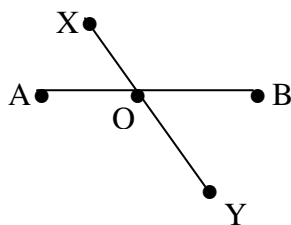
In the diagram, X is the midpoint of segment VZ, $VW = 5$, and $VY = 20$. Find the coordinates of the following.

11) W

12) X

13) Y

Use the given diagram to answer the following.



O is the midpoint of AB. Find the value of Z.

14) $AO = 3z - 7$ and $BO = 5z - 11$

15) $XY = z + 6$, $OY = 2z - 4$ and $XO = z$