Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Geometry Test Review: Language of Geometry

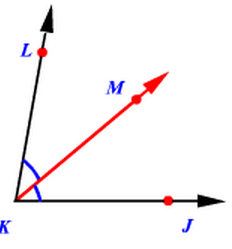
1. True or False:

A. 1 5 \_\_\_\_\_\_\_\_\_

B. 6 8 \_\_\_\_\_\_\_\_\_

C. 7 2 \_\_\_\_\_\_\_\_\_

D. 1 7 \_\_\_\_\_\_\_\_\_

2. Name all angles congruent to 1: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

bisects LKJ

3. LKM = (6x – 10)° and JKM = (2x + 30)°

x = \_\_\_\_\_

mLKM = \_\_\_\_\_\_\_

mJKM = \_\_\_\_\_\_\_

mLKJ = \_\_\_\_\_\_\_\_

4. LKM = (4x + 6)° and JKM = (2x + 24)°

x = \_\_\_\_\_

mLKJ = \_\_\_\_\_\_\_\_

http://img.sparknotes.com/figures/C/cdafbce3d7fbcda5507c818a9e198ec0/midpoint.gifM is the midpoint of

5. = 12x, = 8x + 24

X = \_\_\_\_\_

= \_\_\_\_\_

= \_\_\_\_\_\_

= \_\_\_\_\_\_\_

6. = 5x - 2, = 2x + 10

X = \_\_\_\_\_

= \_\_\_\_\_

7. = 2x + 18, = 8x

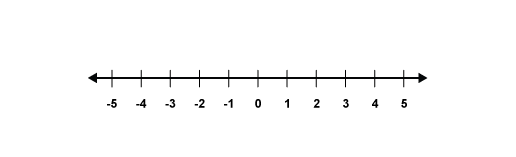
X = \_\_\_\_\_

= \_\_\_\_\_\_\_

8. use the formula (, ) to find the midpoint of the segment:

Hint:

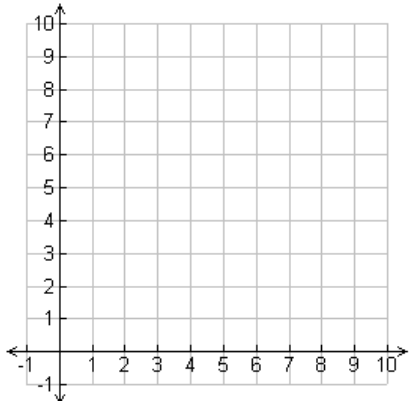
Write the coordinates (x, y) of the endpoints first!

 9. Find the midpoint of

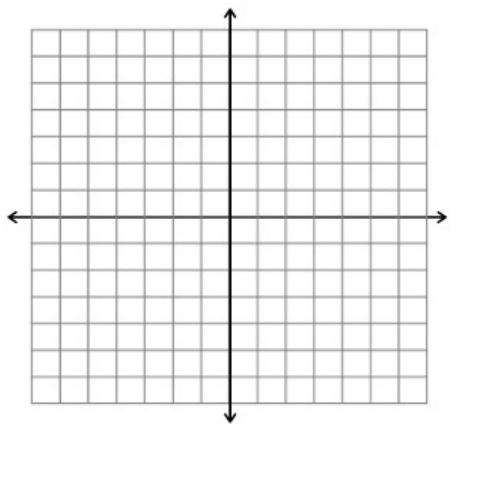
B

A

A triangle has coordinates A (2, 1) B (7, 1) and C 2, 4)

10. What is the area of the triangle? (A = bh)

11. What is the perimeter of the triangle? (hint – you can use the distance formula or a2 + b2 = c2 to help you!)

 A quadrilateral has the vertices: A (-4, 5) B (7, 5) C (-4, -2) and D (7, 1).

12. What is the area of this shape?

Hints: triangle area: (A = bh)

rectangle area A = bh

13. What is the perimeter of this shape? (you may use distance formula or a2 + b2 = c2 to help you).

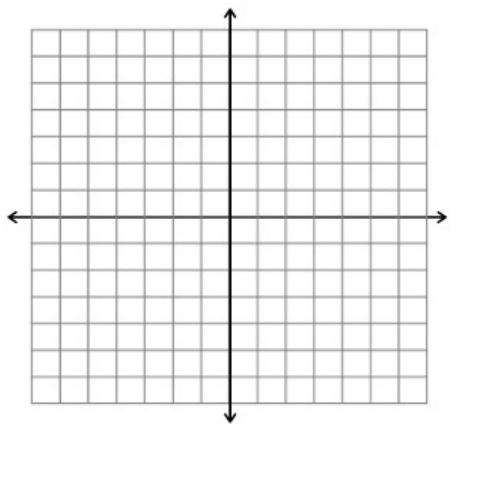
14. Circle all lines PARALLEL to y = - x + 8

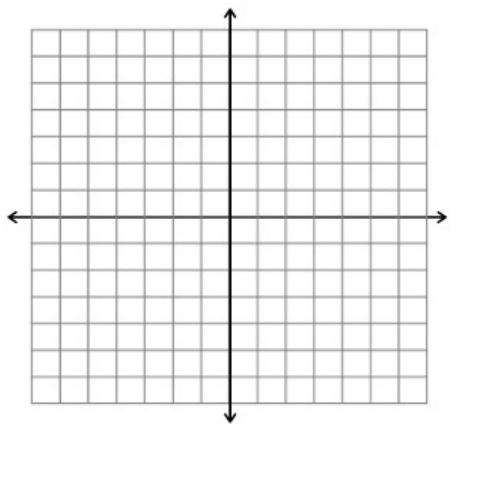
Y = 4x + 2 y = x – 7 y = -4x + 9 y = - x + 2

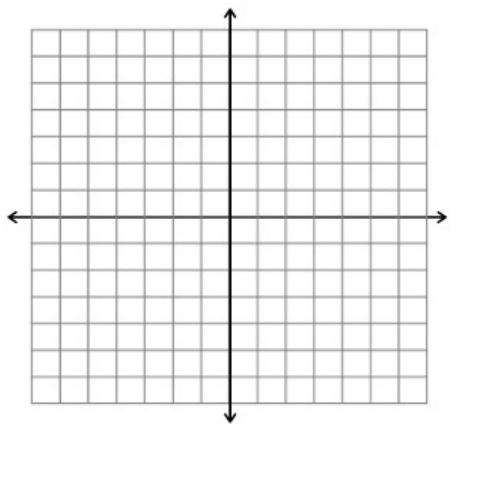
Y = - x – 8 y = 4x + 8 y = 2x – 10 y = + 1

15. circle all lines PERPENDICULAR to y = x – 3

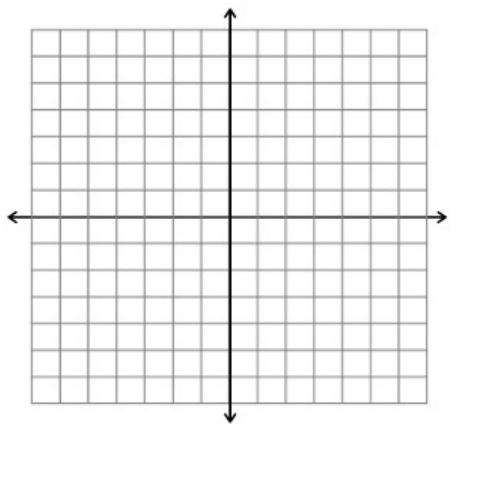
Y = x + 2 y = - x – 3 y = x + 2 y = - x + 6

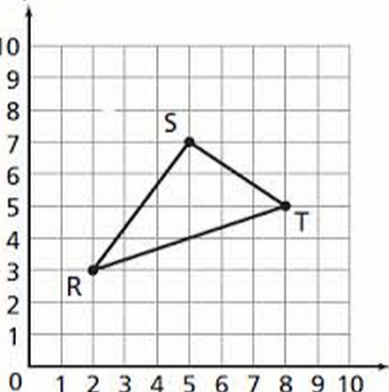
16. Write an equation of a line parallel to y = 2x + 1 through (-1, -4) you can use an equation to solve for b or graph.

17. Write an equation of a line parallel to y = x – 6 through (6, 3) you can use an equation to solve for b or graph.



18. Write an equation of a line perpendicular to y = 2x + 3 through (4, -2) you can use an equation to solve for b or graph.

19. Write an equation of a line perpendicular to y = - x + 2 through (-3, -6). you can use an equation to solve for b or graph.

20. Find the midpoint of segment RT