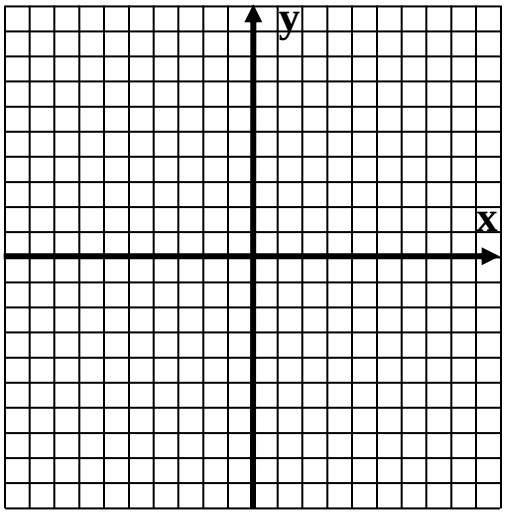
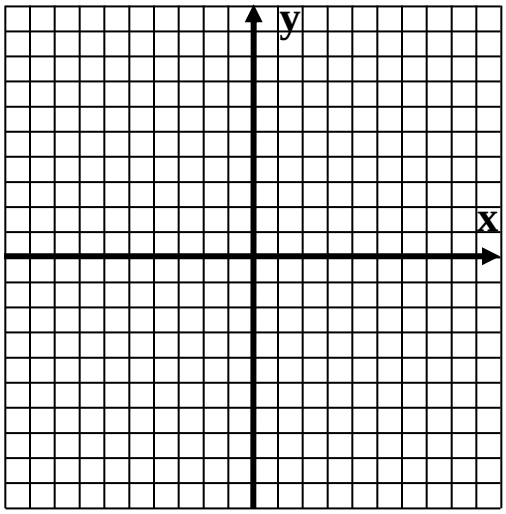
Chapter 1 Quiz Review **Name:**_____

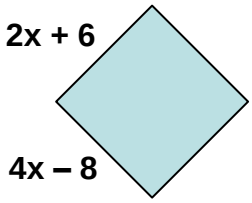




1. (Find the coordinates of C (an endpoint), if B (4, 2) is the *midpoint* of *AC* and A is located at (8, 5)

2. Find the distance between (-2, -3) and (5, -6)

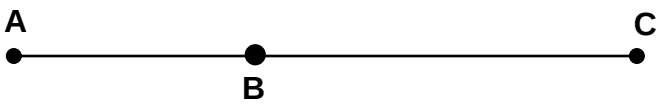
3. Solve for x in the following square and find the perimeter:



X =
P =

4. Given AB = 2x and BC = 12 and AC = 30, find x and AB

X =
AB =



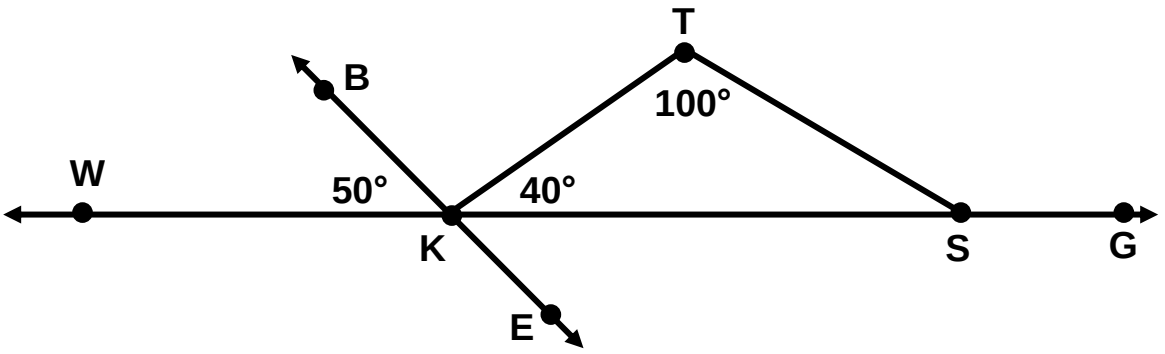
5. Find the midpoint between (-2, 4) and (6, 8)

6. A polygon is a _____ figure with ____ _____ for sides.

7. A five-sided polygon is called a _____.

8. A ten-sided figure is called a _____.

9. Is the figure in question 3, concave or convex?



10. **Name an acute vertical angle pair:** _____ _____

11. **Name an obtuse angle:** _____

12. **Name two angles that form a linear pair:** _____ _____

13. **Name two complementary angles:** _____ _____

14. **Draw a ray SQ that bisects angle TSG, if angle TSQ = 4x + 10 and angle QSG is 6x – 20, find x and the measure of both angles.**

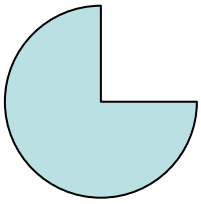
X =
∠TSQ =
∠QSG =

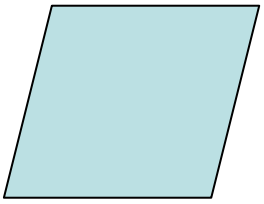
15. **Find the measures of the these angles.**

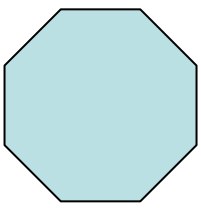
∠WKE = _____ **∠BKT =** _____ **∠SKE =** _____

∠TSK = _____ **∠TSG =** _____ **∠WKT =** _____

16. **Are the following figures concave or convex, a polygon and give its name.**







_____ _____ _____

_____ _____ _____

_____ _____ _____