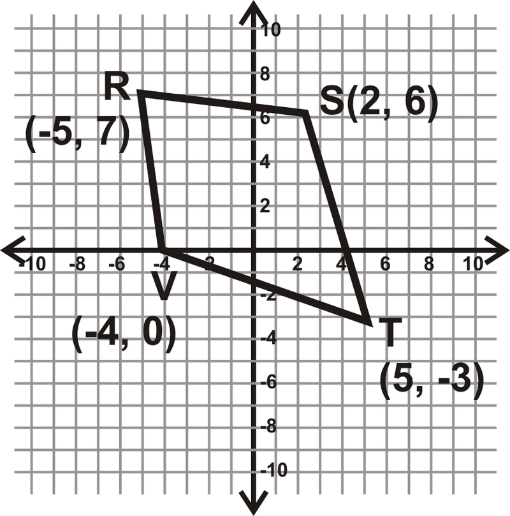
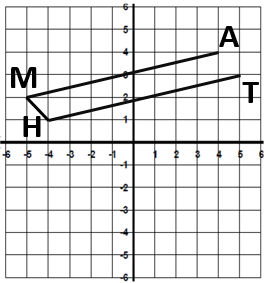
**9.6 Unit 9 Quiz 1 Review Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  
1. What is the slope of the line y = -3x + 1? \_\_\_\_\_\_ What is the slope of a line parallel to this line? \_\_\_\_\_  
  
  
 What is the slope of the line perpendicular to this line? \_\_\_\_\_\_\_\_\_\_\_  
  
  
2. What is the slope of the line perpendicular to y = x + 8?   
  
  
3. Provide an equation for a perpendicular to the line y = x + 4.   
  
  
  
4. Write the equation for the line that passes through points (2, 5) & (-2, 4).   
  
  
  
  
5. Write the equation of a line that is parallel to the line y = 3x – 3.   
  
  
  
  
6. Write the equation of the line that is parallel to y = x -1 and passes through the point (2, 6).   
  
  
  
  
7. Write the equation of a line that is perpendicular to the line y = 8x + 7.   
  
  
  
8. What is the slope of the line that passes through points (8, 0) & (-2, 4)? Write the equation of the line.  
  
  
  
9. What is the distance between (3, -3) & (7, 2)? Write the equation of the line that passes through these points.   
  
  
  
10. What is the perimeter of a triangle with vertices (-1, 3), (0, 4), & (0, 3)?  
  
  
  
  
  
11. Find the perimeter of quadrilateral RSTV.  
  
  
  
  
  
  
12. Find the area of quadrilateral RSTV.  
  
  
  
  
  
  
13. Find the midpoint of the segment with endpoints at (1, 4) & (4, 6).   
  
  
14. Partition the segment with endpoints at (-2, 3) & (10, 6) at a ratio of 1:2.   
  
  
  
  
15. Partition the segment with endpoints (12, 12) & (-3, 2) at a ratio of 1:4.   
  
  
  
16. Write the equation of the line that would complete the   
 parallelogram MATH. Then, find its perimeter and area.   
  
  
  
  
  
  
  
  
17. Are the lines that pass through (3, -1) & (4, 2) and (1, 1) & (-3, 4)  
 parallel, perpendicular, coincidental, or none?