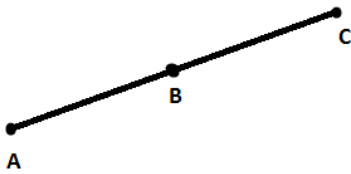


Name: \_\_\_\_\_  
Date: \_\_\_\_\_  
Class: \_\_\_\_\_

Geometry  
Unit 2  
HW 2-6

1) Solve by completing the square:  $x^2 - 4x = 8$

2) Solve by completing the square:  $2x^2 = 5x + 3$



B is the midpoint of  $\overline{AC}$

3) If  $AB = x^2 + 12$  and  $AC = 14x$  find BC.

4) Find the equation of a perpendicular bisector to a line segment with endpoints (2,5) and (8,12).

5) Find the length of the segment with the following endpoints  $(2x - 2, 3x + 2)$  and  $(4x + 2, 6x + 1)$