

Point B is the midpoint of  $\overline{AC}$ . Express the length of  $\overline{BC}$  in terms of the length of  $\overline{AB}$ .

1. Which lines of lines 1–10 are parallel to  $\overline{AC}$ ? (Select all that apply.)

1	2	3	4	5	6	7	8	9	10
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Directions: Drag each tile into one of the boxes below.

1, 2, 3, 4, 5, 6, 7, 8, 9, 10    
  1, 2, 3, 4, 5, 6, 7, 8, 9    
  1, 2, 3, 4, 5, 6, 7, 8, 9    
  1, 2, 3, 4, 5, 6, 7, 8, 9    
  1, 2, 3, 4, 5, 6, 7, 8, 9

2. Is  $\triangle ABC$  isosceles? Select the correct answer.

Yes	No	Not enough information
-----	----	------------------------

Directions: Drag each tile into one of the boxes below.

Yes    
  No    
  Not enough information    
  Yes    
  No

3. In the figure,  $\overline{AC}$  is a diameter of the circle.  $\overline{AB}$  and  $\overline{BC}$  are chords of the circle.  $\angle A$  is  $40^\circ$ . What is the measure of  $\angle C$ ?

- $40^\circ$   
  $50^\circ$   
  $60^\circ$   
  $70^\circ$   
  $80^\circ$

4. Which expression is equivalent to  $2x^2 + 3x - 4$  when  $x = 3$ ?

- $2(3)^2 + 3(3) - 4$   
  $2(3)^2 + 3(3) - 4$   
  $2(3)^2 + 3(3) - 4$   
  $2(3)^2 + 3(3) - 4$   
  $2(3)^2 + 3(3) - 4$

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**JS Bruner**



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