

**Geometry
Worksheet 1A**

Find the midpoint of each segment.

1. $A(2, -3) B(5, 1)$

2. $A(6, -4) B(-2, -8)$

3. $A(4, 1), B(5, 7)$

4. $A(4, -2, 1) B(0, 4, 7)$

5. $A(2, -4, 8) B(2, -7, 1)$

Find AB.

6. $A(2, -3) B(5, 1)$

7. $A(6, -4) B(-2, -8)$

8. $A(4, 1), B(5, 7)$

9. $A(4, -2, 1) B(0, 4, 7)$

10. $A(2, -4, 8) B(2, -7, 1)$

Draw a picture to help with each problem.

11. \overline{AB} bisects \overline{CD} at E. Find CD if CE = 15.

12. \overline{AC} is bisected by \overline{DE} at B. Find BC if AC = 18.

13. B is the midpoint of \overline{AC} . Solve for x if
AB = $2x + 5$ and BC = 11.

14. \overline{DE} bisects \overline{AB} at C. Solve for x
If AC = 18 and AB = $2x - 6$.

15. \overline{AC} is bisected by \overline{DE} at B. Solve for x if AB = $x + 5$ and AC = 28.