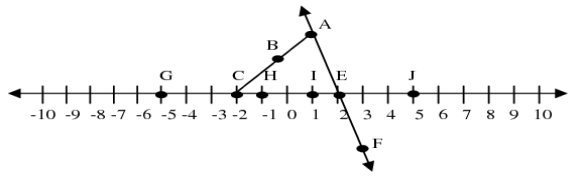
Geometry Name: _____
Worksheet 1.5
Midpoints and Segment Congruence Date: _____Period:_____

Use the figure for exercises 1 – 9.



Find the coordinates of the midpoint of each segment.

1. $\overline{GI}$ 2. $\overline{HJ}$ 3. $\overline{GC}$

Determine whether each statement is true or false. If false, state why.

4. $\overline{GI} = \overline{JH}$ 5. E is the midpoint of $\overline{CJ}$ 6. $\overline{AC}$ bisects $\overline{GE}$

7. C is the midpoint of $\overline{GH}$ 8. $\overleftrightarrow{AE}$ bisects $\overline{HJ}$ 9. CH = ½HI

W, R, and S are points on a number line, and W is the midpoint of $\overline{RS}$. For each pair of coordinates given, find the coordinate of the third point.

10. R = 4, S = -6, W = _____ 11. R = 12, S = -18, W = _____

12. W = -4, S = 2, R = _____