

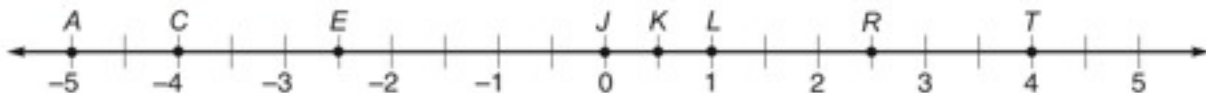
Midpoints and Angles Practice

Name _____

Use the number line to determine whether each statement is true or false. Explain your reasoning.

1. W is the midpoint of \overline{QR} .2. S is the midpoint of \overline{TV} .3. $\overline{SV} \cong \overline{TS}$ 4. V is the midpoint of \overline{TW} .5. W is the midpoint of \overline{VR} .6. $\overline{WR} \cong \overline{QV}$ 7. \overline{SW} is longer than \overline{VR} .8. $\overline{VW} \leq \overline{TV}$ **Midpoints**

Use the number line to find the coordinate of the midpoint of each segment.

1. \overline{LT} 2. \overline{JL} 3. \overline{LR} 4. \overline{CJ} 5. \overline{EK} 6. \overline{CR}

Find the midpoint of the segment connected by the two endpoints:

7. $(2, 4), (6, 8)$

8. $(6, 4), (2, 10)$

9. $(9, 3), (-3, 1)$

10. $(1, -1), (5, 9)$

11. $(-1, 4), (5, -4)$

12. $(-4, -7), (2, 1)$

13. Find the midpoint of the segment that has endpoints at $(-4, -5)$ and $(10, -2)$.

14. Where is the midpoint of \overline{XY} if the endpoints are $X(4x, 2y)$ and $Y(0, -2y)$?

Find the measure of x in each figure:

