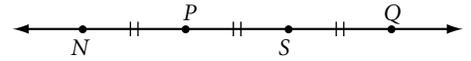


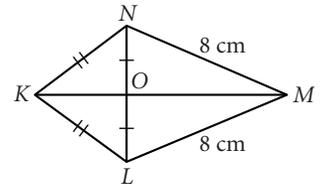
Lesson 1.1 • Building Blocks of Geometry

Name _____ Period _____ Date _____

For Exercises 1–7, complete each statement. $\overline{PS} = 3$ cm.

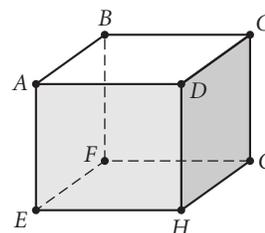


- The midpoint of \overline{PQ} is _____.
- $NQ =$ _____.
- Another name for \overline{NS} is _____.
- S is the _____ of \overrightarrow{SQ} .
- P is the midpoint of _____.
- $\overline{NS} \cong$ _____.
- Another name for \overline{SN} is _____.
- Name all pairs of congruent segments in $KLMN$. Use the congruence symbol to write your answer.
- $M(-4, 8)$ is the midpoint of \overline{DE} . D has coordinates $(6, 1)$. Find the coordinates of E .



For Exercises 10 and 11, use a ruler to draw each figure. Label the figure and mark the congruent parts.

- \overline{AB} and \overline{CD} with M as the midpoint of both \overline{AB} and \overline{CD} . $AB = 6.4$ cm and $CD = 4.0$ cm. A , B , and C are not collinear.
- \overline{AB} and \overline{CD} . C is the midpoint of \overline{AB} , with $AC = 1.5$ cm. D , not on \overline{AB} , is the midpoint of \overline{AE} , with $AD = 2BC$.
- Sketch six points A , B , C , D , E , and F , no three of which are collinear. Name the lines defined by these points. How many lines are there?
- In the figure below, $\{B, C, H, E\}$ is a set of four coplanar points. Name two other sets of four coplanar points. How many sets of four coplanar points are there?



Cube