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A. What are two other names for this line?

B. Name at least 2 line segments that are part of RT.

A ray is part of a line. It starts at one point and then goes on forever in only one direction.

3. This is ray XX We can write ray XY like this: XY. A ray is named by its endpoint first, followed by another point on the ray. What is another name for this ray?

4. Name the two rays that make up ∠R below.

Use the figure below to answer Questions 5-11.

5. Name two lines.

7. Name two lines.

7. Name two lines.

9. At what point do you see a right angle?

9. At what point do you see an acute angle?

10. Which two lines meet to make an acute angle?

11. Which two lines meet to make a right angle?

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## Questions 1–18 (SG pp. 373–376)

Note: Some line names will vary.

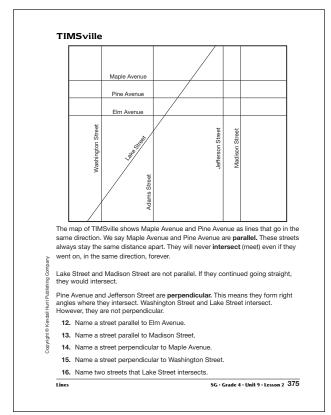
- I.  $\overline{BC}$  and  $\overline{AC}$
- **2. A.**  $\overrightarrow{RS}$  and  $\overrightarrow{ST}$ 
  - **B.** Possible answers:  $\overline{RS}$ ,  $\overline{ST}$ ,  $\overline{RT}$
- 3.  $\overrightarrow{XZ}$
- **4.**  $\overrightarrow{RS}$  and  $\overrightarrow{RT}$
- **5.** Possible answers: AB, AC, BC, BE, BG, EG, EF, DE, DF
- **6.** Possible answers:  $\overrightarrow{AC}$ ,  $\overrightarrow{BG}$ ,  $\overrightarrow{DF}$
- 7. Possible answers:  $\overrightarrow{AB}$ ,  $\overrightarrow{AC}$ ,  $\overrightarrow{BC}$ ,  $\overrightarrow{CB}$ ,  $\overrightarrow{BA}$ ,  $\overrightarrow{CA}$ ,  $\overrightarrow{BE}$ ,  $\overrightarrow{EB}$ ,  $\overrightarrow{BG}$ ,  $\overrightarrow{GB}$ ,  $\overrightarrow{EG}$ ,  $\overrightarrow{GE}$ ,  $\overrightarrow{EF}$ ,  $\overrightarrow{FE}$ ,  $\overrightarrow{FD}$ ,  $\overrightarrow{DE}$ ,  $\overrightarrow{ED}$ ,  $\overrightarrow{DF}$ ,  $\overrightarrow{FD}$
- 8. Point B
- **9.** Point E
- 10. DF and BG
- II.  $\overrightarrow{AC}$  and  $\overrightarrow{BG}$

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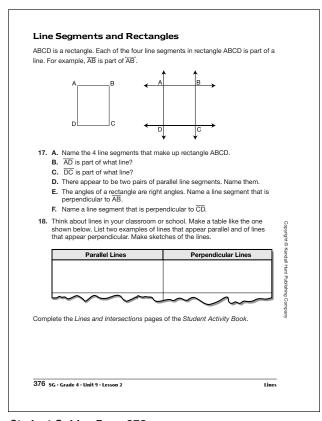
- 12. Pine Ave. or Maple Ave.
- 13. Jefferson St., Adams St., or Washington St.
- **14.** Washington St., Adams St., Jefferson St., or Madison St.
- 15. Maple Ave., Pine Ave., or Elm Ave.
- **16.** Students name two of the following: Washington St., Adams St., Elm Ave., Pine Ave., or Maple Ave. If Lake, Jefferson, and Madison Streets continue, Lake will intersect both Jefferson and Madison.
- 17. A.  $\overline{AB}$ ,  $\overline{BC}$ ,  $\overline{CD}$ , and  $\overline{DA}$ 
  - $\mathbf{B}. \stackrel{\longleftrightarrow}{\mathrm{AD}}$
  - C.  $\overrightarrow{DC}$
  - **D.**  $\overline{AB}$  &  $\overline{CD}$ ,  $\overline{DA}$  &  $\overline{BC}$
  - **E.**  $\overline{DA}$  or  $\overline{BC}$
  - **F.**  $\overline{DA}$  or  $\overline{BC}$

windowpane.

18. Examples will vary. Examples of perpendicular lines might include the lines forming the corner of square tiles on the floor or the lines forming the corners of a rectangular piece of paper.
Examples of parallel lines might include the parallel lines painted in a parking lot or the parallel lines formed on opposite sides of a

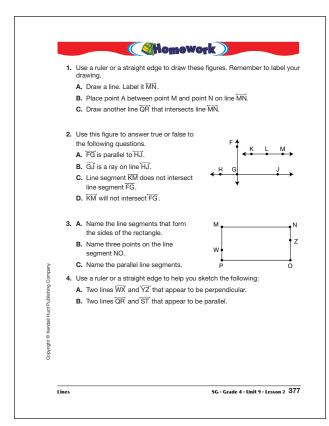


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# Answer Key • Lesson 2: Lines



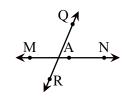
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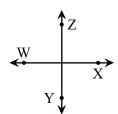
## Homework (SG p. 377)

#### Questions 1-4

I. Drawings will vary.



- 2. A. F
  - B. T
  - C. T
  - D. F
- 3. A.  $\overline{MN}$ ,  $\overline{NO}$ ,  $\overline{OP}$ ,  $\overline{PM}$ 
  - **B.** Point N, Point Z, Point O
  - **C.**  $\overline{MN}$  is parallel to  $\overline{OP}$ ;  $\overline{MW}$ ,  $\overline{WP}$ , and  $\overline{MP}$  are parallel to  $\overline{NZ}$ ,  $\overline{ZO}$ , and  $\overline{NO}$ .
- **4.** Drawings will vary.
  - A.



B.

