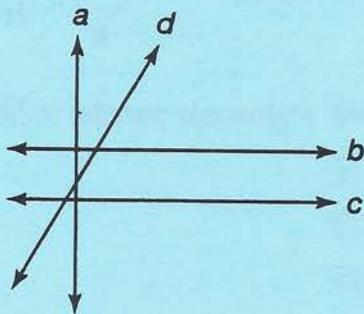




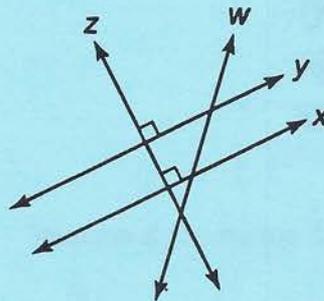
Use this diagram for Questions 1 and 2.



1. Which two lines are parallel?
 - A a and b
 - B a and c
 - C b and c
 - D b and d

2. Which two lines are perpendicular?
 - A a and b
 - B a and d
 - C b and c
 - D c and d

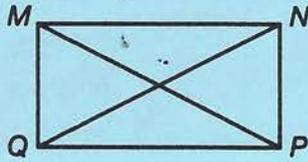
Use this diagram for Questions 3 and 4.



3. Which two lines are perpendicular?
 - A w and y
 - B y and x
 - C w and z
 - D x and z

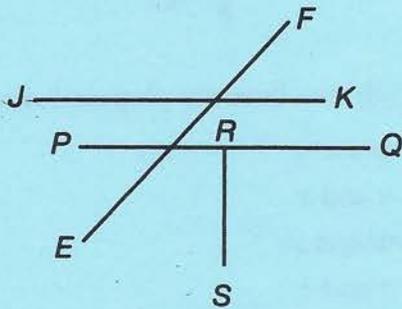
4. Which two lines are parallel?
 - A w and y
 - B y and x
 - C w and z
 - D x and z

5. Which segment is perpendicular to \overline{MN} ?



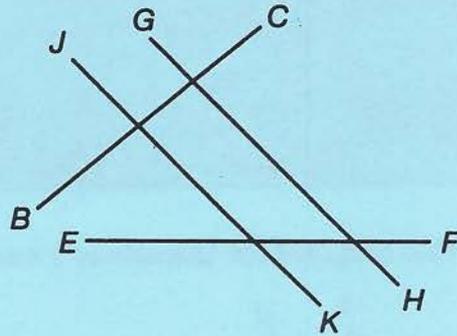
- A \overline{NP}
- B \overline{PQ}
- C \overline{QN}
- D \overline{MP}

6. Which statement is correct?



- A \overline{PQ} is parallel to \overline{RS} .
- B \overline{PQ} is perpendicular to \overline{RS} .
- C \overline{PQ} is perpendicular to \overline{EF} .
- D \overline{EF} is parallel to \overline{RS} .

Use this diagram for Questions 7 and 8.



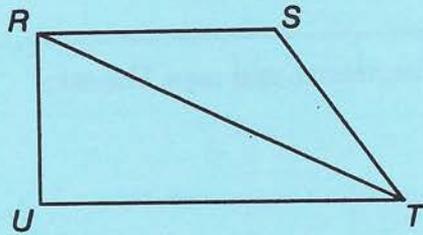
7. Which segment is parallel to \overline{JK} ?

- A \overline{BC}
- B \overline{EF}
- C \overline{FE}
- D \overline{GH}

8. Which statement is correct?

- A \overline{BC} is parallel to \overline{EF} .
- B \overline{BC} is perpendicular to \overline{GH} .
- C \overline{BC} is parallel to \overline{JK} .
- D \overline{JK} is parallel to \overline{EF} .

Use this diagram for Questions 9 and 10.



9. Which segment is parallel to \overline{RS} ?

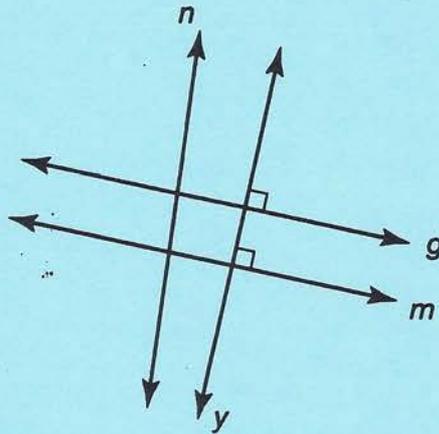
- A \overline{RU}
- B \overline{ST}
- C \overline{UT}
- D \overline{RT}

10. Which statement is correct?

- A \overline{RU} is parallel to \overline{RS} .
- B \overline{RS} is parallel to \overline{ST} .
- C \overline{RS} is perpendicular to \overline{UT} .
- D \overline{RU} is perpendicular to \overline{UT} .

Brief Constructed Response

11. Martha sees these lines on a map.



- A. Identify a pair of perpendicular lines.

- B. Use what you know about perpendicular lines to explain why your answer to Part A is correct. Use words and /or pictures in your explanation.