Theorems and Postulates 1.4

Overview of Problems

Example Set: A

1. Define postulate and provide one example.
2. Define theorem and provide one example.
3. **E** is a point between **D** and **J**. Is the statement **DE + EJ = DJ** true?
4. How many lines can pass through two points?

Example Set: B

1. Can two lines interest in more than one point?
2. When two planes intersect, is the intersection also a plane?
3. Space has at least _____ points?
4. What is the Number Line Postulate?

Theorems and Postulates 1.4

Overview of Problems

🚩 *Example Set: A -***ANSWER KEY**

1. Define postulate and provide one example.
   A mathematical statement we accept on faith (angle addition postulate)
2. Define theorem and provide one example.
   A mathematical statement we can prove (theorem – two lines intersect at one point)
3. **E** is a point between **D** and **J**. Is the statement **DE + EJ = DJ** true?
   True, segment addition postulate
4. How many lines can pass through two points?
   1 line

🚩 *Example Set: B-* **ANSWER KEY**

1. Can two lines interest in more than one point? no
2. When two planes intersect, is the intersection also a plane? No, it's a line
3. Space has at least _____4_____ points?
4. What is the Number Line Postulate?
   A point can be associated with a number on the real number line.