

2.3 If-Then Statements

Answers

- Hypothesis: 5 divides evenly into x .
Conclusion: x ends in 0 or 5.
- Hypothesis: A triangle has three congruent sides.
Conclusion: It is an equilateral triangle.
- Here, the “if” is in the middle of the statement, making the hypothesis the second half.**
Hypothesis: Three points lie in the same plane.
Conclusion: The three points are coplanar.
- Hypothesis: $x = 3$.
Conclusion: $x^2 = 9$.
- Hypothesis: You take yoga.
Conclusion: You are relaxed.
- Hypothesis: You are a baseball player.
Conclusion: You wear a hat.
- Hypothesis: I am 16 years old.
Conclusion: I will learn how to drive.
- Hypothesis: You do your homework.
Conclusion: You can watch TV.

9. Hypothesis: The lines are parallel.
 Conclusion: Alternate interior angles are congruent.
10. Hypothesis: You are a kid.
 Conclusion: You like ice cream.