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Identify the hypothesis and conclusion of each conditional.

5. If you are an American citizen, then you have the right to vote.
6. If a figure is a rectangle, then it has four sides.
7. If you want to be healthy, then you should eat vegetables.

Determine if the conditional is *true* or *false*. If it is false, find a counterexample.

16. If a polygon has eight sides, then it is an octagon.
17. If you live in a country that borders the United States, then you live in Canada.
18. If you play a sport with a ball and a bat, then you play baseball.
19. If an angle measures 80, then it is acute.

If the given statement is not in *if-then* form, rewrite it. Write the converse, inverse, and contrapositive of the given conditional statement. Determine the truth value of all four statements. If a statement is false, give a counterexample.

20. If you are a quarterback, then you play football.
21. Pianists are musicians.

Algebra Write the converse of each statement. If the converse is true, write *true*. If it is not true, provide a counterexample.

35. If $x = -6$, then $|x| = 6$.
37. If $x < 0$, then $x^3 < 0$.