

2-2 Standardized Test Prep

Conditional Statements

Multiple Choice

For Exercises 1–4, choose the correct letter.

1. What is the hypothesis of the given statement?

If pigs had wings, you could fly.

- (A) Pigs have wings. (C) Pigs do not have wings.
(B) You can fly. (D) You cannot fly.

2. Which statement is the converse of the given statement?

If you make an insurance claim, then your rates will go up.

- (F) If your insurance rates do not go up, then you have not made a claim.
(G) If you do not make an insurance claim, then your rates will not go up.
(H) If your insurance rates go up, then you have made an insurance claim.
(I) If you make an insurance claim, then your rates will not go up.

3. Which statement is the contrapositive of the given statement?

If a person is a banjo player, then the person is a musician.

- (A) If a person is not a musician, then the person is not a banjo player.
(B) If a person is not a banjo player, then the person is a musician.
(C) If a person is not a banjo player, then the person is not a musician.
(D) If a person is a musician, then the person is a banjo player.

4. How are the two statements given below related to each other?

X: If you run for 10 minutes, then you will raise your heart rate.

Z: If you do not run for 10 minutes, then you will not raise your heart rate.

- (F) Z is the contrapositive of X. (H) Z is the inverse of X.
(G) Z is the converse of X. (I) Z is the retrograde of X.

Short Response

5. What are the inverse and the contrapositive of the following conditional?

If a movie is a comedy, then it is funny.