Conditional Statement Quiz

Multiple Choice
Identify the choice that best completes the statement or answers the question.

1. What is the inverse of the statement “If Mike did his homework, then he will pass this test”?
   a. If Mike passes this test, then he did his homework.
   b. If Mike does not pass this test, then he did not do his homework.
   c. If Mike does not pass this test, then he only did half his homework.
   d. If Mike did not do his homework, then he will not pass this test.

2. Given the true statement: “If a person is eligible to vote, then that person is a citizen.” Which statement must also be true?
   a. Kayla is not a citizen; therefore, she is not eligible to vote.
   b. Juan is a citizen; therefore, he is eligible to vote.
   c. Marie is not eligible to vote; therefore, she is not a citizen.
   d. Morgan has never voted; therefore, he is not a citizen.

3. Which statement is the converse of “If the sum of two angles is 180°, then the angles are supplementary”?
   a. If two angles are supplementary, then their sum is 180°.
   b. If the sum of two angles is not 180°, then the angles are not supplementary.
   c. If two angles are not supplementary, then their sum is not 180°.
   d. If the sum of two angles is not 180°, then the angles are supplementary.

4. What is the contrapositive of the statement “If I study, then I pass the test”?
   a. I pass the test if I study.
   b. If I do not study, then I do not pass the test.
   c. If I do not pass the test, then I do not study.
   d. If I pass the test, then I study.

5. What is the converse of the statement "If it is Sunday, then I do not go to school"?
   a. If I do not go to school, then it is Sunday.
   b. If it is not Sunday, then I do not go to school.
   c. If I go to school, then it is not Sunday.
   d. If it is not Sunday, then I go to school.
Conditional Statement Quiz
Answer Section

MULTIPLE CHOICE

1. ANS: D  PTS: 2  REF: 010303a  STA: G.G.26
   TOP: Inverse

2. ANS: A  PTS: 2  REF: 010308a  STA: G.G.26
   TOP: Contrapositive

3. ANS: A  PTS: 2  REF: 010415a  STA: G.G.26
   TOP: Converse and Biconditional

4. ANS: C  PTS: 2  REF: 080427a  STA: G.G.26
   TOP: Contrapositive

5. ANS: A  PTS: 2  REF: 060520a  STA: G.G.26
   TOP: Converse and Biconditional
Conditional Statement Quiz

Multiple Choice
Identify the choice that best completes the statement or answers the question.

___ 1. Which statement is the converse of “If the sum of two angles is 180°, then the angles are supplementary”?
   a. If two angles are not supplementary, then their sum is not 180°.
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___ 2. What is the contrapositive of the statement “If I study, then I pass the test”?
   a. I pass the test if I study.
   b. If I do not study, then I do not pass the test.
   c. If I pass the test, then I study.
   d. If I do not pass the test, then I do not study.

___ 3. What is the inverse of the statement “If Mike did his homework, then he will pass this test”?
   a. If Mike did not do his homework, then he will not pass this test.
   b. If Mike does not pass this test, then he only did half his homework.
   c. If Mike does not pass this test, then he did not do his homework.
   d. If Mike passes this test, then he did his homework.

___ 4. What is the converse of the statement "If it is Sunday, then I do not go to school"?
   a. If it is not Sunday, then I do not go to school.
   b. If it is not Sunday, then I go to school.
   c. If I go to school, then it is not Sunday.
   d. If I do not go to school, then it is Sunday.

___ 5. Given the true statement: “If a person is eligible to vote, then that person is a citizen.” Which statement must also be true?
   a. Juan is a citizen; therefore, he is eligible to vote.
   b. Kayla is not a citizen; therefore, she is not eligible to vote.
   c. Morgan has never voted; therefore, he is not a citizen.
   d. Marie is not eligible to vote; therefore, she is not a citizen.
Conditional Statement Quiz
Answer Section

MULTIPLE CHOICE

1. ANS: B  PTS: 2  REF: 010415a  STA: G.G.26
   TOP: Converse and Biconditional

2. ANS: D  PTS: 2  REF: 080427a  STA: G.G.26
   TOP: Contrapositive

3. ANS: A  PTS: 2  REF: 010303a  STA: G.G.26
   TOP: Inverse

4. ANS: D  PTS: 2  REF: 060520a  STA: G.G.26
   TOP: Converse and Biconditional

5. ANS: B  PTS: 2  REF: 010308a  STA: G.G.26
   TOP: Contrapositive
Conditional Statement Quiz

Multiple Choice
Identify the choice that best completes the statement or answers the question.

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   a. If two angles are not supplementary, then their sum is not 180°.
   b. If the sum of two angles is not 180°, then the angles are not supplementary.
   c. If the sum of two angles is not 180°, then the angles are supplementary.
   d. If two angles are supplementary, then their sum is 180°.

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   a. If Mike did not do his homework, then he will not pass this test.
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   c. If Mike does not pass this test, then he only did half his homework.
   d. If Mike passes this test, then he did his homework.

3. What is the converse of the statement "If it is Sunday, then I do not go to school"?
   a. If it is not Sunday, then I do not go to school.
   b. If I go to school, then it is not Sunday.
   c. If it is not Sunday, then I go to school.
   d. If I do not go to school, then it is Sunday.

4. Given the true statement: “If a person is eligible to vote, then that person is a citizen.” Which statement must also be true?
   a. Kayla is not a citizen; therefore, she is not eligible to vote.
   b. Morgan has never voted; therefore, he is not a citizen.
   c. Juan is a citizen; therefore, he is eligible to vote.
   d. Marie is not eligible to vote; therefore, she is not a citizen.

5. What is the contrapositive of the statement “If I study, then I pass the test”?
   a. If I pass the test, then I study.
   b. I pass the test if I study.
   c. If I do not pass the test, then I do not study.
   d. If I do not study, then I do not pass the test.
Conditional Statement Quiz
Answer Section

MULTIPLE CHOICE

1. ANS: D  PTS: 2  REF: 010415a  STA: G.G.26
   TOP: Converse and Biconditional
2. ANS: A  PTS: 2  REF: 010303a  STA: G.G.26
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   TOP: Contrapositive