Task card 1 Conditional Statements: Converse,...

Conditional: If a figure is a rectangle, then it has four sides. Is the statement "If a figure does not have four sides, then it is not a rectangle." its converse, inverse, or contrapositive?

Task card 2 Conditional Statements: Converse,...

Conditional: If an angle is a right angle, then it measures 90°. Write its inverse. Is the inverse true or false?

Task card 3 Conditional Statements: Converse,...

Conditional: If a polygon has five sides, then it is a pentagon. Its inverse is "If a polygon does not have five sides, then it is not a pentagon." Is the inverse true or false?

Task card 4 Conditional Statements: Converse,...

Conditional: If a polygon is a triangle, then it has exactly three sides. Is the statement "If a polygon is not a triangle, then it does not have exactly three sides." its converse, inverse, or contrapositive?

Task card 5 Conditional Statements: Converse,...

Conditional: If an angle measures 30°, then it is acute. Write its inverse. Is the inverse true or false?

Task card 6 Conditional Statements: Converse,...

Is this conditional true or false? If $x = 5$, then $x^2 = 25$.

Task card 7 Conditional Statements: Converse,...

Conditional: If a quadrilateral is a square, then it is a rectangle. Write its converse. Is the converse true or false?

Task card 8 Conditional Statements: Converse,...

Conditional: If two lines are perpendicular, then they intersect to form right angles. Is the statement "If two lines do not intersect to form right angles, then they are not perpendicular." its converse, inverse, or contrapositive?

Task card 9 Conditional Statements: Converse,...

Conditional: If an angle measures 30°, then it is acute. Is the statement "If an angle does not measure 30°, then it is not acute." its converse, inverse, or contrapositive?

Task card 10 Conditional Statements: Converse,...

Conditional: If two angles are vertical angles, then they are congruent. Write its inverse. Is the inverse true or false?

Task card 11 Conditional Statements: Converse,...

Conditional: If an angle measures 30°, then it is acute. Its converse is "If an angle is acute, then it measures 30°." Is the converse true or false?

Task card 12 Conditional Statements: Converse,...

Conditional: If a number is even, then it is divisible by 4. Is the statement "If a number is not even, then it is not divisible by 4." its converse, inverse, or contrapositive?

Task card 13 Conditional Statements: Converse,...

Is this conditional true or false? If a number is even, then it is divisible by 4.

Task card 14 Conditional Statements: Converse,...

Conditional: If two angles are supplementary, then they form a linear pair. Write its inverse. Is the inverse true or false?

Task card 15 Conditional Statements: Converse,...

Conditional: If a triangle has a right angle, then it is a right triangle. Is the statement "If a triangle does not have a right angle, then it is not a right triangle." its converse, inverse, or contrapositive?

Task card 16 Conditional Statements: Converse,...

Conditional: If a quadrilateral is a square, then it is a rectangle. Write its inverse. Is the inverse true or false?

Task card 17 Conditional Statements: Converse,...

Conditional: If a quadrilateral is a square, then it is a rectangle. Can it be combined with its converse to form a true biconditional (an "if and only if" statement)? Answer yes or no.

Task card 18 Conditional Statements: Converse,...

Conditional: If $x > 3$, then $x > 5$. Write its converse. Is the converse true or false?

Task card 19 Conditional Statements: Converse,...

Conditional: If M is the midpoint of segment AB, then AM = MB. Is the statement "If AM ≠ MB, then M is not the midpoint of segment AB." its converse, inverse, or contrapositive?

Task card 20 Conditional Statements: Converse,...

Conditional: If a number is divisible by 4, then it is even. Write its inverse. Is the inverse true or false?

Task card 21 Conditional Statements: Converse,...

Conditional: If two angles are complementary, then they are both acute. Can it be combined with its converse to form a true biconditional (an "if and only if" statement)? Answer yes or no.

Task card 22 Conditional Statements: Converse,...

Conditional: If two angles are complementary, then they are both acute. Write its contrapositive. Is the contrapositive true or false?

Task card 23 Conditional Statements: Converse,...

Conditional: If an angle measures 30°, then it is acute. Is the statement "If an angle is not acute, then it does not measure 30°." its converse, inverse, or contrapositive?

Task card 24 Conditional Statements: Converse,...

Conditional: If two lines are perpendicular, then they intersect to form right angles. Its converse is "If two lines intersect to form right angles, then they are perpendicular." Is the converse true or false?

Conditional Statements: Converse, Inverse & Contrapositive Task Cards

Recording sheet · Grade 10 · Answer with true or false, yes or no, or the name converse, inverse or contrapositive.

Scan to check your answers

Name: _____ Date: _____

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24

Conditional Statements: Converse, Inverse & Contrapositive Task Cards: Answer Key

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The answers online

1. contrapositive	**2.** true	**3.** true
4. inverse	**5.** false	**6.** true
7. false	**8.** contrapositive	**9.** inverse
10. false	**11.** false	**12.** inverse
13. false	**14.** true	**15.** inverse
16. false	**17.** no	**18.** true
19. contrapositive	**20.** false	**21.** no
22. true	**23.** contrapositive	**24.** true