Conditional Statements: Converse, Inverse & Contrapositive · 1

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

Conditional Statements: Converse, Inverse & Contrapositive · 2

Conditional: If a triangle is equilateral, then it is isosceles. Is the statement "If a triangle is isosceles, then it is equilateral." its converse, inverse, or contrapositive?

Conditional Statements: Converse, Inverse & Contrapositive · 3

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

Conditional Statements: Converse, Inverse & Contrapositive · 4

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

Conditional Statements: Converse, Inverse & Contrapositive · 5

Conditional: If a quadrilateral is a rhombus, then it is a square. Is the statement "If a quadrilateral is not a square, then it is not a rhombus." its converse, inverse, or contrapositive?

Conditional Statements: Converse, Inverse & Contrapositive · 6

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

Conditional Statements: Converse, Inverse & Contrapositive · 7

Conditional: If an angle measures 30°, then it is acute. Can it be combined with its converse to form a true biconditional (an "if and only if" statement)? Answer yes or no.

Conditional Statements: Converse, Inverse & Contrapositive · 8

Conditional: If a polygon has five sides, then it is a pentagon. Write its contrapositive. Is the contrapositive true or false?

Conditional Statements: Converse, Inverse & Contrapositive · 2

ANSWER

converse

Conditional Statements: Converse, Inverse & Contrapositive · 1

ANSWER

true

Conditional Statements: Converse, Inverse & Contrapositive · 4

ANSWER

true

Conditional Statements: Converse, Inverse & Contrapositive · 3

ANSWER

no

Conditional Statements: Converse, Inverse & Contrapositive · 6

ANSWER

true

Conditional Statements: Converse, Inverse & Contrapositive · 5

ANSWER

contrapositive

Conditional Statements: Converse, Inverse & Contrapositive · 8

ANSWER

true

Conditional Statements: Converse, Inverse & Contrapositive · 7

ANSWER

no

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

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

Conditional: If a number is even, then it is divisible by 4. Can it be combined with its converse to form a true biconditional (an "if and only if" statement)? Answer yes or no.

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

Conditional: If a polygon is a triangle, then it has exactly three sides. Is the statement "If a polygon has exactly three sides, then it is a triangle." its converse, inverse, or contrapositive?

Conditional: If M is the midpoint of segment AB, then AM = MB. Write its inverse. Is the inverse true or false?

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

Conditional: If two angles are supplementary, then they form a linear pair. Is the statement "If two angles form a linear pair, then they are supplementary." its converse, inverse, or contrapositive?

Conditional Statements: Converse, Inverse & Contrapositive · 10

ANSWER

contrapositive

Conditional Statements: Converse, Inverse & Contrapositive · 9

ANSWER

true

Conditional Statements: Converse, Inverse & Contrapositive · 12

ANSWER

false

Conditional Statements: Converse, Inverse & Contrapositive · 11

ANSWER

no

Conditional Statements: Converse, Inverse & Contrapositive · 14

ANSWER

false

Conditional Statements: Converse, Inverse & Contrapositive · 13

ANSWER

converse

Conditional Statements: Converse, Inverse & Contrapositive · 16

ANSWER

converse

Conditional Statements: Converse, Inverse & Contrapositive · 15

ANSWER

true

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

Conditional: If two angles are vertical angles, then they are congruent. Is the statement "If two angles are not vertical angles, then they are not congruent." its converse, inverse, or contrapositive?

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

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

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

Conditional: If a figure is a rectangle, then it has four sides. Write its inverse. Is the inverse true or false?

Conditional: If a figure is a rectangle, then it has four sides. Is the statement "If a figure has four sides, then it is a rectangle." its converse, inverse, or contrapositive?

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

Conditional Statements: Converse, Inverse & Contrapositive · 18

ANSWER

inverse

Conditional Statements: Converse, Inverse & Contrapositive · 17

ANSWER

false

Conditional Statements: Converse, Inverse & Contrapositive · 20

ANSWER

yes

Conditional Statements: Converse, Inverse & Contrapositive · 19

ANSWER

true

Conditional Statements: Converse, Inverse & Contrapositive · 22

ANSWER

false

Conditional Statements: Converse, Inverse & Contrapositive · 21

ANSWER

false

Conditional Statements: Converse, Inverse & Contrapositive · 24

ANSWER

no

Conditional Statements: Converse, Inverse & Contrapositive · 23

ANSWER

converse