

WARM-UP EXERCISES

For use before Lesson 2.3, pages 86–95

Write the contrapositive of each statement.

1. If it thunders, the golf tournament is canceled.
 2. If $x(x - 1) = 0$, then $x = 0$ or 1 .
 3. If $m\angle A = 45^\circ$, then $\angle A$ is congruent to $\angle B$.
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DAILY HOMEWORK QUIZ

For use after Lesson 2.2, pages 79–85

Rewrite the biconditional statement as a conditional statement and its converse.

1. We will go to the beach if and only if it is sunny.

Give a counterexample that demonstrates that the converse of the statement is false.

2. If a polygon has four equal sides, then it is a square.
3. If a vehicle has wheels, then it is a car.

Determine whether the statement can be combined with its converse to form a true biconditional.

4. If $2x > 8$, then $x = 5$.