

**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  $x = 5$ .