LESSON 7.3

NAME _____ DATE _____

Available as a transparency

WARM-UP EXERCISES

For use before Lesson 7.3, pages 411–420

State the definition, theorem, or postulate that justifies each statement.

1. If $\angle ABC \cong \angle A'B'C'$, $\overline{AB} \cong \overline{A'B'}$, and $\overline{BC} \cong \overline{B'C'}$, then $\triangle ABC \cong \triangle A'B'C'$.

2. If $3x + 10 = 15$, then $3x = 5$.

Find the measure of a counterclockwise rotation that would equal each rotation.

3. 180° clockwise rotation

4. 90° clockwise rotation

DAILY HOMEWORK QUIZ

For use after Lesson 7.2, pages 403–410

1. Find the coordinates of $A(3, 2)$ reflected in the line $y = 1$.

2. Find the coordinates of $B(-2, 4)$ reflected in the y-axis.

3. Sketch a hexagon with exactly two lines of symmetry.

4. Given $A(1, -2)$, $B(6, -3)$ find point C on the x-axis so that $AC + BC$ is a minimum.