

# Lesson 7: Exploring the Area of a Circle

## Cool Down: Areas of Two Circles

- Circle A has a diameter of approximately 20 inches and an area of  $300 \text{ in}^2$ .
- Circle B has a diameter of approximately 60 inches.

Which of these could be the area of Circle B? Explain your reasoning.

1. About  $100 \text{ in}^2$
2. About  $300 \text{ in}^2$
3. About  $900 \text{ in}^2$
4. About  $2,700 \text{ in}^2$