Name: _____   Date: _____

Section 3.1 Extra Practice

1. a) Estimate the length and the width of the rectangle in inches. Then, estimate the area in square inches.

b) Measure the actual length and width of the rectangle. Then, calculate its area.

2. Complete each of the following conversions.

a) $1 \text{ ft}^2 =$ _____ in.^2

b) $\frac{1}{2} \text{ ft}^2 =$ _____ in.^2

c) $2 \text{ ft}^2 =$ _____ in.^2

d) $1 \text{ yd}^2 =$ _____ ft^2

e) $\frac{1}{2} \text{ yd}^2 =$ _____ ft^2

f) $2 \text{ yd}^2 =$ _____ ft^2

3. State the best imperial unit to express the area of each item. Prepare to explain your reasoning.
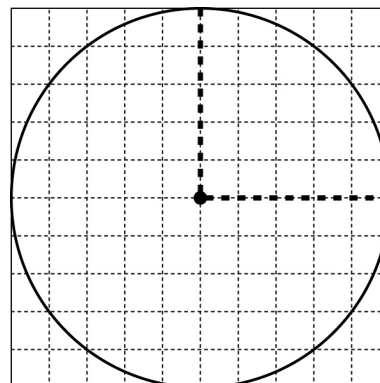
a) a window blind _____

b) a TV screen _____

c) a bedroom carpet _____

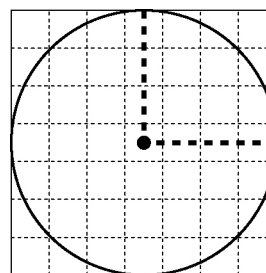**d)** your hand _____

e) a duvet _____

f) a frozen pond _____

4. a) Estimate the area of the quarter circle.

b) Estimate the total area of the circle.

5. a) What is the area of the large square?

Scale: 1 square represents 1 in.^2

b) Estimate the area of the circle.

6. Calculate the area of the circles in #4 and #5. Round all answers to one decimal place.