Extra Practice 3 – Master 4.27

Lesson 3: Exploring Rectangles with Equal Perimeters

**1. a)**

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 **b)**

 ****

 **c)**

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**2. a)**

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**b)**

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**3.** Student drawings should be rectangles with the following dimensions:

**a)** 8 cm × 4 cm

**b)** 9 cm × 2 cm

**c)** 7 cm × 4 cm

**4. a)** 1 m × 23 m, 2 m × 22 m, 3 m × 21 m,
4 m × 20 m, 5 m × 19 m, 6 m × 18 m,
7 m × 17 m, 8 m × 16 m, 9 m × 15 m,
10 m × 14 m, 11 m × 13 m, 12 m × 12 m

**b)** least area: 1 m × 23 m
greatest area: 12 m × 12 m

**5. a)** Student drawings should show a
 12 cm × 8 cm rectangle drawn on
 1-cm grid paper.

 **b)** perimeter: 40 cm, area: 96 cm2

**6. a)** For example: student drawings could show a 10 cm × 10 cm square.

**b)** For example: student drawings could show a 6 cm × 14 cm rectangle.