NAME_____

Module 7 **Ratio, Proportion, and Percent**
Lesson 1 **Square Roots**

Additional Practice 7.1

1. Draw a square around each square number.

1 2 5 12 16 25 45 64 75

Evaluate.

2. $\sqrt{81}$

3. $7+\sqrt{4}$

4. $3^2+\sqrt{49}$

5. $\sqrt{10,000}$

6. $\sqrt{144}-15$

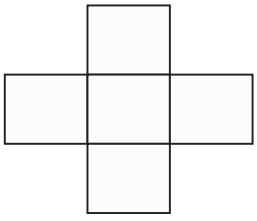
7. $\sqrt{16}\div\sqrt{4}$

8. $6^2+\sqrt{121}+8^2$

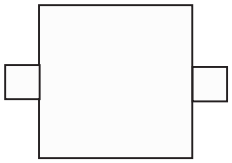
9. $10\times\sqrt{9}$

10. $\sqrt{625}-24$

11. Each of the five squares at right has an area of 100 square inches. Find the perimeter of the figure.



12. In the figure at right, the large center square has an area of 196 square inches. The entire figure has an area of 214 square inches. The two small squares have the same area. What are the side lengths of the two smaller squares?



13. A square photo had a perimeter of 36 inches. The photo was reduced on a copier so that each side was half its original length. Find the area of the new photo.