

# Lesson 9 Homework Practice

## Estimate Roots

Estimate to the nearest integer.

1.  $\sqrt{38}$

2.  $\sqrt{53}$

3.  $\sqrt{99}$

4.  $\sqrt{227}$

5.  $\sqrt[3]{26}$

6.  $\sqrt[3]{214}$

7.  $\sqrt[3]{80}$

8.  $\sqrt[3]{510}$

9.  $\sqrt{86.4}$

10.  $\sqrt{45.2}$

11.  $\sqrt{7\frac{2}{5}}$

12.  $\sqrt{27\frac{3}{8}}$

Order from least to greatest.

13. 8, 10,  $\sqrt{61}$ ,  $\sqrt{71}$

14.  $\sqrt{45}$ , 9, 6,  $\sqrt{63}$

15.  $\sqrt{50}$ , 7,  $\sqrt{44}$ , 5

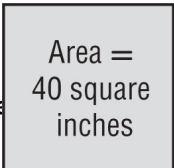
ALGEBRA Estimate the solution of each equation to the nearest integer.

16.  $d^2 = 61$

17.  $z^2 = 85$

18.  $r^2 = 3.7$

GEOMETRY The formula for the area of a square is  $A = s^2$ , where  $s$  is the length of a side. Estimate the length of a side for each square.

19.  Course \_\_\_\_\_ Real Numbers

20.  **19**