

Unit 2: Integers
 Lesson 7: Square Roots
 Homework: Square Root Worksheet

Name: Key

Find each square root.

1) $-\sqrt{9}$ -3

7) $\sqrt{144}$ 12

2) $\sqrt{36}$ 6

8) $-\sqrt{81}$ -9

3) $\sqrt{9}$ 3

9) $\sqrt{0}$ 0

4) $-\sqrt{36}$ -6

10) $\sqrt{\frac{100}{169}}$ $\frac{10}{13}$

5) $\sqrt{81}$ 9

11) $-\sqrt{\frac{64}{169}}$ $-\frac{8}{13}$

6) $\sqrt{\frac{100}{144}}$ $\frac{10}{12} = \frac{5}{6}$

Approximate each square root.

1) $\sqrt{71} \approx \frac{\sqrt{64} - \sqrt{81}}{8 - 9}$

5) $\sqrt{60} \approx \frac{\sqrt{49} - \sqrt{64}}{7 - 8}$

2) $-\sqrt{66} \approx \frac{-\sqrt{64} - \sqrt{81}}{-8 - 9}$

6) $-\sqrt{101} \approx \frac{-\sqrt{100} - \sqrt{121}}{-10 - 11}$

3) $-\sqrt{\frac{25}{5}} \approx -\sqrt{5} \approx \frac{-\sqrt{4} \text{ and } \sqrt{9}}{-2 \text{ and } -3}$

7) $\sqrt{2} \approx \frac{\sqrt{1} - \sqrt{4}}{1 - 2}$

4) $\sqrt{19} \approx \frac{\sqrt{16} - \sqrt{25}}{4 - 5}$