

Unit 11: Radicals and Sequences

Simplifying&Estimating Practice- Day 2

Name:

Date: Period:

Determine between which two whole numbers does each of the following radicals falls:

3.
$$\sqrt{115}$$
 10 +11

5.
$$\sqrt{450}$$

Simplify the following radicals:

6.
$$2\sqrt{24} = 4\sqrt{6}$$

9.
$$4\sqrt{50} = 30\sqrt{2}$$

Simplify the following radicals to have a rational denominator:

11.
$$\frac{4}{\sqrt{5}} \left(\frac{\sqrt{5}}{\sqrt{5}} \right) = \frac{4\sqrt{5}}{5}$$

12.
$$\frac{2}{\sqrt{16}}$$

13.
$$\frac{5}{\sqrt{10}} \left(\frac{10}{10} \right) = \frac{5}{10} = \frac{1}{2}$$

$$-14.$$
 $\frac{3}{\sqrt{7}} \left(\frac{1}{15} \right) = \frac{3\sqrt{7}}{7}$

15.
$$\frac{2}{\sqrt{8}} = \frac{2}{\sqrt{2}} = \frac{\sqrt{2}}{\sqrt{2}} = \frac{\sqrt{2}}{2}$$