Lesson 2.5 Comparing Rational and Irrational Numbers

Compare rational and irrational numbers by using a best guess for irrational numbers.

$$\sqrt{3}$$
 < 2

This statement is true because $\sqrt{3}$ is between 1 and 2.

$$5 > \sqrt{20}$$

This statement is true because $\sqrt{20}$ is between 4 and 5.

Compare using <, >, or =.

a

b

C

1.
$$\sqrt{9}$$
 _____ π

$$\int \frac{16}{25}$$

4.
$$\sqrt{36}$$
 _____ 6.5

$$\frac{3}{5}$$
 — $\sqrt{\frac{9}{5}}$

5.
$$\sqrt[3]{343}$$
 ______ 7.2

$$3\sqrt{32}$$
 _____ 3.5

7.
$$\frac{5}{10}$$
 _____ $\sqrt{1}$

8.
$$\sqrt[3]{\frac{27}{125}}$$
 _____ 0.6