

Name _____

Period _____

Real Numbers Review

1. Convert the following fractions into decimals. Round to the nearest 100th if the decimal goes on (does not repeat).

a. $\frac{45}{81}$

b. $-6\frac{3}{8}$

2. Convert the decimals to simplified fractions:

a. $29.\overline{27}$

b. $-17.\overline{005}$

c. $0.\overline{25}$

d. $0.\overline{6}$

3. Write the first 14 perfect squares:

4. Write the square roots for the following numbers: (Be sure to write both numbers.)

a. $49 = \underline{\hspace{2cm}}$

b. $144 = \underline{\hspace{2cm}}$

5. Estimate between what whole numbers is each square root:

a. $\sqrt{90}$ _____

b. $\sqrt{42}$ _____

6. Estimate the square roots to the nearest 10th.

a. $\sqrt{176}$

b. $\sqrt{12}$

c. $\sqrt{101}$

d. $\sqrt{47}$

6. Write if each number is rational or irrational, and give your reason.

a. $\sqrt{36}$ _____

b. 7.6 _____

c. 0.998877... _____

d. 3.147285... _____

e. $\frac{3}{11}$ _____

f. π _____

7. Place the following real numbers on the number lines:

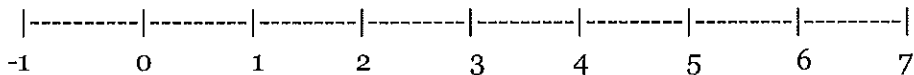
$\frac{12}{6}$

0.36

$\sqrt{7}$

-0.05

$\sqrt{29}$



$\sqrt{45}$

$\frac{17}{2}$

9.009

$\sqrt{89}$



6 7 8 9 10 11