

Name : _____

Rational vs. Irrational Numbers

A) Identify whether the following numbers are rational or irrational.

1) 0.333

2) 0.101001000100001...

3) 0.454545...

4) 3.14159265...

5) $\sqrt[3]{8}$

6) 0.605551275...

B) 1) Identify the irrational number.

a) 0.75

b) π

c) $\frac{22}{7}$

d) 0.333...

2) Choose the rational number.

a) $\sqrt{2}$

b) 0.100101000...

c) $\sqrt{7}$

d) 3.75

3) Which of the following numbers is irrational?

a) -15

b) 0.0909...

c) $\sqrt{5}$

d) $\frac{3}{4}$

4) Which of these is a rational number?

a) 0.818181...

b) $\sqrt[3]{12}$

c) 4π

d) $\sqrt{50}$