



## Rational and Irrational Numbers

The ancient Greeks discovered that some numbers cannot be represented as fractions. Rational numbers can; irrational numbers cannot. Express each of the numbers below as a fraction if you can. Label the numbers as rational or irrational,



- 1)  $\pi$  \_\_\_\_\_
- 2)  $5$  \_\_\_\_\_
- 3)  $\sqrt{99}$  \_\_\_\_\_
- 4)  $\sqrt{3}$  \_\_\_\_\_
- 5)  $\sqrt{100}$  \_\_\_\_\_
- 6)  $.333\overline{3}$  \_\_\_\_\_
- 7)  $14/3$  \_\_\_\_\_
- 8)  $1.5$  \_\_\_\_\_
- 9)  $.111\overline{1}$  \_\_\_\_\_
- 10)  $\sqrt{2}$  \_\_\_\_\_
- 11)  $\sqrt{9}$  \_\_\_\_\_
- 12)  $\sqrt{-5}$  \_\_\_\_\_