

Name _____

Rational and Irrational Numbers

Choose the correct answer.

- 1) Which of the following is a rational number?
(i) $1 + \sqrt{3}$ (ii) π
(iii) $2\sqrt{3}$ (iv) 0
- 2) A rational number between -3 and 3 is
(i) 0 (ii) -4.3
(iii) -3.4 (iv) 1.101100110001...
- 3) Every point on a number line represents
(i) a rational number (ii) a natural number
(iii) an irrational number (iv) a unique number
- 4) Which of the following is a rational number?
(i) $\sqrt{2}$ (ii) $\sqrt{23}$
(iii) $\sqrt{225}$ (iv) 0.1010010001...
- 5) Every rational number is
(i) a natural number (ii) a whole number
(iii) an integer (iv) a real number
- 6) π is a
(i) a rational number (ii) an integer
(iii) an irrational number (iv) a whole number
- 7) The decimal representation of a rational number is
(i) always terminating (ii) either terminating or repeating
(iii) either terminating or nonrepeating (iv) neither terminating nor repeating
- 8) The decimal representation of an irrational number is
(i) always terminating (ii) either terminating or repeating
(iii) either terminating or nonrepeating (iv) neither terminating nor repeating