

2/12/13 Benchmark review Notes 1

Classify the following: (i) real number (ii) rational number
(iii) irrational (iv) integer (v) whole number

Ex 1

$$\frac{1}{3}$$

(i), (ii)

$$\sqrt{49}$$

(i), (ii),
(iv), (v)

$$\sqrt{2}$$

(i), (iii)

$$\sqrt{-2}$$

(iii)

$$\sqrt{5}$$

(i), (ii)

$$-6$$

(i), (ii), (iv)

Identity properties:

In math, an identity is something that when used, does nothing to change the value of a number (it keeps its identity).

The additive identity is 0.

$$0 + 5 = 5$$

$$362 + 0 = 362$$

The multiplicative identity is 1

$$1 \cdot 5 = 5$$

$$1 \cdot 362 = 362$$