

Benchmark Review 2 Q3

Classify each as (i) (ii) Rational (iii) Irrational (iv) integer (v) Whole number

① $\sqrt{7}$ ② $\sqrt{6}$ ③ $\sqrt{-2}$ ④ $\frac{1}{8}$ ⑤ -3 ⑥ $\sqrt{5}$

Name the property illustrated by the following statements:

⑦ $3 + x = x + 3$ ⑧ $(3 + 7) - 8 = 3 + (7 - 8)$ ⑨ $3x + 15 = 3(x + 5)$

⑩ $0 + 12 = 12$

⑪ $1 \cdot p = p$

Simplify

⑫ $|-3| - |8| + 1$

⑬ $|-2| + |-1| + 6$

⑭ $\frac{5(4) - (-3)}{23}$

Find x:

⑮ $8 - x = 3$

⑯ $15 + x = -2$

⑰ $9 - x = -7$