

Benchmark Review 1 Q3

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

① $\sqrt{64}$

② $\sqrt{3}$

③ $\sqrt{-3}$

④ $-\sqrt{4}$

⑤ $\frac{1}{4}$

⑥ $\frac{7}{8}$

For the following problems, state the property that is illustrated.

⑦ $(-5+7)+3 = -5+(7+3)$

⑧ $6(2x+1) = 12x+6$

⑨ $x+0 = x$

⑩ $1 \cdot 4x = 4x$

Evaluate each expression

⑪ $\frac{4(7)-(-6)}{17}$

⑫ $|12|+|-2|+1$

⑬ $\frac{2(3)+8}{-14}$

Solve

⑭ $2(7x-2) = 7(2+7x)$ ← (Hint: Answer is a fraction)