January 27, 2016

$2x + (4 + x) = (6 - x) + 5$

associative

Comm $2x + (x + 4) = (-x + 6) + 5$

Assoc. $(2x + x) + 4 = -x + (6 + 5)$

Combine $3x + 4 = -x + 11$

$+x \quad -4 \qquad +x \quad -4$

A.I. $4x + 0 = 0 + 7$

$\frac{4x}{4} = \frac{7}{4}$

$1 \cdot x = \frac{7}{4}$

$x = \frac{7}{4}$

Jan 27-9:05 AM

Commutative: $a + b = b + a$

$ab = ba$

Associative: $a + (b + c) = (a + b) + c$

$a(bc) = (ab)c$

Jan 27-9:37 AM

$0.\overline{44}$

Let $x = 0.4444\ldots$

$100x = 44.4444\ldots$

$x = 0.4444\ldots$

$99x = 44$

$x = \frac{44}{99} = \frac{4 \cdot 11}{9 \cdot 11} = \frac{4}{9}$

Jan 27-9:21 AM

$0.\overline{2} \neq \frac{2}{10} = \frac{1}{5} \rightarrow 0.2$

$10 \overline{)2.0}$ → .2

0.2222222222222222

Jan 27-9:22 AM

Start: CORE 1.1

#1 — #36 m3

Jan 27-9:48 AM