

September 15, 2017

$$a \cdot b = 1$$

$$\frac{1}{2} \cdot \frac{2}{1} = \frac{2}{2} = 1 \quad \text{m. Identity}$$

$$-\frac{14}{7} \cdot -\frac{7}{14} = 1$$

$$\frac{1}{3} \cdot \frac{3 \cdot x}{1} = \frac{12}{1} \cdot \frac{1}{3}$$

$$\boxed{\frac{3x}{3}}$$

$$1 \cdot x = 4$$

Sep 15-8:57 AM

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

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

$$4x(-20 + 6) \quad \text{Dist}$$

$$4x - 14$$

Sep 15-9:05 AM

47° F

$$\frac{5}{1} (F = \frac{9}{5} C + 32)$$

$$5F = 9C + 160 \quad \text{LCD: } \frac{5}{1}$$

$$\frac{5F - 160}{9} = \frac{9C}{9}$$

$$\boxed{\frac{5F - 160}{9} = C}$$

$$\frac{5(47) - 160}{9} = C^\circ$$

$$\frac{235 - 160}{9} = C$$

$$\frac{75}{9} = C$$

$$8.3 = C^\circ$$

Sep 15-9:16 AM

CORE 1.1

multiplication of reals

$$(+) \cdot (+) = +$$

$$(-) \cdot (-) = +$$

$$(+) \cdot (-) = -$$

$$(-) \cdot (+) = -$$

Sep 15-9:39 AM

Division of reals

$$\frac{(+)}{(+)} = + \quad \frac{(-)}{(-)} = +$$

$$\boxed{\frac{(+)}{(-)} = - \quad \frac{(-)}{(+)} = -}$$

↓
FACT

$$-\frac{a}{b} = \frac{-a}{b} = \frac{a}{-b}$$

Sep 15-9:42 AM

Exponents

$$a^n = \underbrace{a \cdot a \cdot a \dots a}_n$$

↑ base n factors of a

$$5^3 = 5 \cdot 5 \cdot 5$$

$$= 25 \cdot 5$$

$$= 125$$

Issue! 2 ← even!

$$(-4)^2 = (-4) \cdot (-4) = 16$$

$$-4^2 = (-1) \cdot 4^2$$

$$= (-1) \cdot 4 \cdot 4$$

$$= (-4) \cdot (4)$$

$$= -16$$

Sep 15-9:45 AM

Doing CORE 1.1
#1 - #36 in 3

Sep 15-9:49 AM