9/20

Thursday, September 20, 2012
10:15 AM

Review Warm-Up

reciprocal (flip)

(1) What is the multiplicative inverse of ...

a) $4 = \frac{1}{4}$

b) $\frac{2}{3} = \frac{3}{2}$

c) $\frac{1}{3} = 3$

opposite

(2) What is the additive inverse of...

a) $5 = -5$

b) $-6 = 6$

(3) $5+0=5$ is what property?

Additive Identity

(4) $6(1)=6$ Multiplicative Identity. $\frac{1}{2}(1)=\frac{1}{2}$

Equations w/ Parenthesis & Variables on Both Sides

EXS:

Solve.

(1) $5m-3(m-4)=-40$

$5m-3m+12=-40$

CLT (Combine Like Term)

$2m+12=-40$

$-12 \quad -12$

$\frac{2m}{2} = \frac{-52}{2}$

$m=-26$

Check

$5m-3(m-4)=-40$

PEMDAS $5(-26)-3(-26-4)=-40$

$-130-3(-30)=-40$

$-130+90=-40$

$-40=-40$ ✓

(2) $2m-1(7m+3)=-2(m+11)$

② $8m\ -1(7m+3)=-2(m+12)$

$8m-7m-3=-2m-24$

$1m-3=-2m-24$

$+2m \quad +2m$

$3m-3=-24$

$+3 \quad +3$

$\frac{3m}{3}=\frac{-21}{3}$

$m=-7$

CK: $8(-7)-1(7(-7)+3)=-2(-7+12)$

$-56-1(-46)=-2(5)$

$-56+46=-10$

$-10=-10\checkmark$

③ $3(a-5)\ -2(2a+1)=0$

$3a-15-4a-2=0$

CLT

$-a-17=0$

$+a \quad +a$

$-17=a$

CK: $3(-17-5)-2(2(-17)+1)=0$

$3(-22)-2(-33)=0$

$-66+66=0$

$0=0\checkmark$

PG 127 #15, 19, 21, 23, 25

Solve & CK!