test 1 review: 6-30-14

(#3.) Quiz 1

Make up test 1 example.

$6 + a \cdot b = 10$

Let $b = 2$, what is a?

$6 + a \cdot 2 = 10$

$6 + 2a = 10$

$-6 \quad -6$

$2a = 4$

$\frac{2a}{2} = \frac{4}{2}$

$a = 2$

Quiz (1)

#5.

$$10 + 10x + 30y + 30z$$

$$= 10 \cdot 1 + 10 \cdot x + 10 \cdot 3y + 10 \cdot 3z$$

$$= 10 \cdot (1 + x + 3y + 3z)$$

DO NOT forget!

Quiz (2). #13.

$$\frac{210}{98} \overset{\text{no zero}}{=} \frac{10 \cdot 21}{2049} = \frac{\cancel{5} \cdot 3 \cdot \overset{15}{\cancel{7}}}{\cancel{2} \cdot \cancel{7}} = \frac{15}{7}$$

Quiz #1

(a.) $-1000 < -999$ TRUE

b. $|-67.2| = 67.2$ TRUE

c. $|-1000| < 124,564$ TRUE

$1000 < 124,564$

Quiz #1

20. $2 - 100$ ← withdrawal of $100.00

$= 2 + (-100)$

$-(100 - 2) = -98$

Quiz 1 #21

$$-2-6t+10+2t+5-7t$$

$$= -2+(-6t)+(10)+(2t)+(+5)+(-7t)$$

+13

-11t

$$= -11t+13$$

$$= 13-11t$$

Quiz #2, #2

$$\left(-\frac{7}{4}\right)\cdot\left(-\frac{3}{5}\right)\cdot\left(-\frac{1}{2}\right) = \text{Neg}$$

$$= -\frac{7\cdot3\cdot1}{5\cdot4\cdot2} = -\frac{21}{40}$$

CE

Quiz #2, #3.

$$\frac{2}{3} \cdot \frac{3}{2} = 1$$

#4.

$$\frac{51}{10} \cdot \frac{10}{51} = 1$$

#5.

$$\frac{4}{7} - \left(-\frac{6}{7}\right) = \frac{4}{7} + \frac{6}{10}$$

$$= \frac{10}{7}$$

Quiz #2.

f.f. = fast forwards

#7.

$$3^2 + 4^2 - 15 \div 3$$
$$= 9 + 4^2 - 15 \div 3$$
$$= 9 + 16 - 15 \div 3$$
$$= 9 + 16 - 5$$
$$= \underbrace{9 + 16} - 5$$
$$= 25 - 5$$
$$= \boxed{20}$$

f.f.

Quiz #2, #9:

THINK about (T.A.)

$9 - 4x^2$; $x = -2$

↑ different

T.A.: answer

$= \boxed{-7}$

Quiz 2

(7

(10.)

$$7x^2 + 4x - 2x - 24x^2$$

$$= 7x^2 + 4x + (-2x) + (-24x^2)$$

$$+2x$$

$$-17x^2$$

$$= -17x^2 + 2x$$

$$= 2x + (-17x^2)$$

$$= 2x - 17x^2$$

(6

Quiz #2

(13.) $5x - 80 = 270$

$+80 \quad +80$

$\frac{5x}{5} = \frac{350}{5}$

$x = 70$

sloppy

$5x = 350$

$\frac{5x}{5} = \frac{350}{5}$

#(15.) $B = 5w - 5N$; FOR w

$+5N \quad +5N$

$B + 5N = 5w \Rightarrow \frac{B+5N}{5} = \frac{5w}{5}$

ANSWER $\frac{B+5N}{5} = w$

$\frac{B}{5} + \frac{5N}{5} = W$

$\frac{B}{5} + \frac{5N}{5} = W$

$\boxed{\frac{B}{5} + N = W}$

QUIZ #2

(16) $W = \frac{1}{2}ah - \frac{1}{2}bh$

$2 \cdot W = 2 \cdot \left(\frac{1}{2}ah - \frac{1}{2}bh\right)$

$2W = 2 \cdot \frac{1}{2}ah - 2 \cdot \frac{1}{2}bh$

$2W = ah - bh$

Quiz #2

(10

(17.

$$n = -y + 8x + 8m$$

$$-8x \qquad -8x$$

$$n - 8x = -y + 8m$$

$$+y \qquad +y$$

$$n - 8x + y = 8m$$

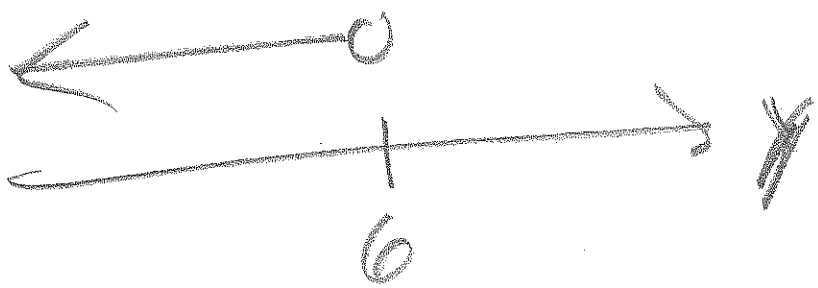
$$\frac{n - 8x + y}{8} = \frac{8m}{8}$$

$$\frac{n}{8} - \frac{8x}{8} + \frac{y}{8} = m$$

$$\frac{n}{8} - x + \frac{y}{8} = m$$

Quiz 5.1 #8

(8.)



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