

Algebra 1 Bellwork Monday, October 26, 2015

1. Find the exact solution for each.

a) $7h - 3(h + 6) + 5 = 1 + 2(2h - 7)$

b) $\frac{9}{16} + \frac{5}{12}M = \frac{7}{6}$

2. Solve for Q $W(KC - RQ) + A = M$

3. Solve for E $\frac{GE+B}{T} - N = D$

Algebra 1 Bellwork Monday, October 26, 2015

1. a) $7h - 3(h + 6) + 5 = 1 + 2(2h - 7)$

$$7h - 3h - 18 + 5 = 1 + 4h - 14$$

$$4h - 13 = 4h - 13$$

ALL REAL #'s

b) $48\left(\frac{9}{16} + \frac{5}{12}M\right) = \left(\frac{7}{6}\right)48$

$$\begin{aligned} 27 + 20M &= 56 \\ -27 & \quad -27 \\ 20M &= 29 \end{aligned}$$

$$M = \frac{29}{20}$$

2. Solve for Q $W(KC - RQ) + A = M$
 $\quad \quad \quad -A \quad -A$

$$W(KC - RQ) = M - A$$

÷ by W next

DISTRIB. W next

$$Q = \frac{\frac{M-A}{W} - KC}{-R}$$

or $Q = \frac{M-A-WKC}{-WR}$

3. Solve for E $\frac{GE+B}{T} - N = D$
 $\quad \quad \quad +N \quad +N$

$$E = \frac{T(D+N) - B}{G}$$

ANSWERS