

Algebra I

Tues. 9-18-12

CLASS
NOTES

(38)

$$N + 2N = -\frac{21}{2}$$

$$\begin{array}{r} \swarrow \downarrow \\ \frac{3N}{3} = \frac{-\frac{21}{2}}{3} \end{array}$$

$$N = -\frac{21}{2} \cdot \frac{1}{3}$$

$$\boxed{N = -\frac{7}{2}}$$

CK

$$(-\frac{7}{2}) + 2(-\frac{7}{2}) \stackrel{?}{=} -\frac{21}{2}$$

$$-\frac{7}{2} - \frac{14}{2} \stackrel{?}{=} -\frac{21}{2}$$

$$-\frac{21}{2} \stackrel{?}{=} -\frac{21}{2} \checkmark$$

(50)

$$-2(\overbrace{x-8}) = 8(\overbrace{x-3})$$

$$\begin{array}{r} \downarrow \quad \downarrow \\ -2x + 16 = 8x - 24 \\ +2x \quad \quad +2x \end{array}$$

$$16 = 10x - 24$$

$$\begin{array}{r} +24 \quad \quad +24 \end{array}$$

$$\frac{40}{10} = \frac{10x}{10}$$

$$4 = x$$

$$\boxed{x = 4}$$

CK

$$-2[(4)-8] \stackrel{?}{=} 8[(4)-3]$$

$$-2[-4] \stackrel{?}{=} 8[1]$$

$$8 \stackrel{?}{=} 8 \checkmark$$

$$(34) \quad -6.7(N-0.2) = -107.87$$

$$\begin{array}{r} \downarrow \\ -6.7N + 1.34 = -107.87 \\ -1.34 \quad -1.34 \end{array}$$

$$\begin{array}{r} \downarrow \\ -6.7N \\ \hline -6.7 \end{array} = \frac{-109.21}{-6.7}$$

SPDN

$$N = +16.3$$

$$\begin{array}{r} 001 \ 6.34 \\ 6.7 \overline{) 109.2100} \\ \underline{-67} \\ 422 \\ \underline{-402} \\ 201 \\ \underline{201} \\ 000 \end{array}$$

CK

$$-6.7[(16.3) - 0.2]$$

$$-6.7[16.1]$$

$$-107.87 \stackrel{?}{=} -107.87$$

✓

$$\begin{array}{r} 1.61 \\ \underline{67} \\ 1127 \\ \underline{966} \\ 10787 \end{array}$$