

Geometry Fri. 8-24-12 CLASS NOTES

(52) $r + 4 = 4 - 6r + 7r$

$$\begin{array}{c} \downarrow \quad \downarrow \\ r + 4 = r + 4 \\ -r \quad -r \end{array}$$

$4 = 4$ True All Real Numbers

(54) $15 + m = m + 8$

$$\begin{array}{c} \downarrow \quad \downarrow \\ 15 + m = m + 8 \\ -m \quad -m \end{array}$$

$15 = 8$ False No Solution

(34) $-7N - (-3 - N) = 24 + N$

$-7N + 3 + N = 24 + N$

$$\begin{array}{c} \downarrow \quad \downarrow \\ -6N + 3 = 24 + N \\ +6N \quad +6N \end{array}$$

$$\begin{array}{c} +3 = 24 + N \\ -24 \quad -24 \end{array}$$

$$\frac{-21}{7} = \frac{N}{1}$$

$N = \{-3\}$

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$$-7(-3) - (-3 - (-3)) = 24 + (-3)$$

$21 = 21$

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