

multi step equations warm up.docx - Word

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1.  $6x + 5 = 10 + 5x$

2.  $-20y + 15 = 2 - 16y + 11$

3.  $4(2a + 3) = -3(a - 1) + 31$

4.  $\frac{1}{2}x - 3 = 2 - \frac{3}{4}x$

5.  $3x + 5x + 4 - x + 7 = 88$

PAGE 1 OF 1 39 WORDS

Libraries\D... ActivInspire multi-step ... multi-step ... multi step e... HoverCam ...

$$1) \quad 6x + 5 = 10 + 5x \quad \#$$

$$\begin{array}{r} 6x + 5 \\ \hline 6x - 5x \end{array} \quad \begin{array}{r} 10 + 5x \\ \hline 10 - 5 \end{array}$$

$$x = 5$$

$$2) \quad -20y + 15 = 2 - 16y + 11$$

$$\begin{array}{r} -20y + 15 = 2 - 16y + 11 \\ \hline \end{array}$$

$$-20y + 16y \quad 2 + 11 - 15$$

$$-4y = 13 - 15$$

$$-4y = -2$$

$$\frac{-4y}{-4} = \frac{-2}{-4}$$

$$y = \frac{1}{2}$$

$$-20y = 2 - 16y - 4$$

$$+16y \quad +16y$$

$$-4y = 2 - 4$$

$$\frac{-4y}{-4} = \frac{-2}{-4} = \frac{1}{2}$$

$$y = \frac{1}{2}$$