

In Terms of 'Y'

Name _____

Algebra P2

Date _____ Assignment # 10

• Rewrite each equation in terms of 'y': (Show each step) ~ONE STEP~

1) $2y = 4x + 8$ div. $\frac{2y}{2} = \frac{4x}{2} + \frac{8}{2}$ $y = 2x + 4$	2) $-4y = x - 8$	3) $5y = -20 - 3x$
4) $x + y = 1$	5) $y + 3x = 9$	6) $x + 4 = 2y$
7) $4x = y - 15$	8) $5x = -14 + y$	9) $-5y = x - 10$
10) $13x - 6 = 3y$	11) $8x + y = 40$	12) $-8x = 18 + y$

• Rewrite each equation in terms of 'y': (Show each step) ~TWO STEPS~

13) $6x + 7y = 21$

$$\frac{-6x}{7y} = \frac{-6x}{21 - 6x}$$

$$\text{div. } \frac{7y}{7} = \frac{21 - 6x}{7} \frac{7}{7}$$

$$y = 3 - \frac{6}{7}x \text{ or } y = -\frac{6}{7}x + 3$$

14) $x - 4y = -8$

15) $3x + 5y = -20$

16) $x - y = 1$

17) $x + 3y = 9$

18) $x + 2y = 4$

19) $4x - 5y = 15$

20) $5x + 7y = -14$

21) $x - 5y = -10$

22) $13x + 3y = -6$

23) $x + 5y = 40$

24) $-8x = 18 + 2y$