MTH1W

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Pre Lesson 7.2

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Strategies for converting to y=

1) Look at the y. → If positive, leave it and move everything else to the other side.

→ If negative, move it to the other side, making it positive.

When you switch sides, you switch signs.

Convert each equation into y=

2) $4x + y = -34$

$y = -4x - 34$

3) $3x + 2y = -20$

$\frac{2y}{2} = \frac{-3x}{2} - \frac{20}{2}$

$y = \frac{-3}{2}x - 10$

4) $4x - y = 28$

$4x = 28 + y$

$4x - 28 = y$

5) $5x - 3y = 3$

$\frac{5x}{3} - \frac{3}{3} = \frac{3y}{3}$

$\frac{5}{3}x - 1 = y$

6) $6x = -21y + 81$

$\frac{21}{21}y = \frac{-6}{21}x + \frac{81}{21}$

$y = \frac{-2}{7}x + 3.9$

7) $5x - 2y = 0$

$\frac{5}{2}x = \frac{2}{2}y$

$\frac{5}{2}x = y$

8) $-2 = -x + \frac{2}{3}y$

$\frac{3}{2}x - 2\left(\frac{3}{2}\right) = \frac{2}{3}y\left(\frac{3}{2}\right)$

$\frac{5}{2}$

$\frac{3}{2}x - 3 = y$

Multiply by the reciprocal. ↳ flip the fraction.

9) $0 = -5y + 10 - x$

10) $3y + 5 = 4(x + 2)$

11) $2(y - 5) = -9(x + 2)$

$2y - 10 = -9x - 18 + 10$

$\frac{2}{2}y = \frac{-9}{2}x - \frac{8}{2}$

$y = \frac{-9}{2}x - 4$