y is a "Happy Loner"

Rearrange the following:

1. $4y - 2 = 8x - 6$

2. $5x - y = 4$

3. $9x - 4 = y + 2$

4. $\frac{1}{2} + 4y = 8x - 3$

1. $4y - 2 = 8x - 6$ $+2$

$\frac{4y}{4} = \frac{8x}{4} - \frac{4}{4}$

$y = 2x - 1$

Slope: 2

y-int: -1

2. $+5x - y = 4$

$\frac{-1y}{-1} = \frac{-5x}{-1} + \frac{4}{-1}$

$y = 5x - 4$

Slope: 5

y-int: -4

3. $9x - 4 = y + 2$

$y + 2 = 9x - 4 - 2$

$y = 9x - 6$

Slope: 9

y-int: -6

4. $\frac{1}{2} + 4y = 8x - 3$

$\times 2 \quad \times 2 \quad \times 2$

$1 + 8y = 16x - 6 - 1$

$\frac{8y}{8} = \frac{16x}{8} - \frac{7}{8}$

$y = 2x - \frac{7}{8}$

Slope: 2

y-int: $-\frac{7}{8}$