Write each equation in slope intercept form and identify the slope and the y intercept y = mx + b

1)

5x – 2y = 10

-2y = -5x + 10

-2y/-2 = 5x/-2 + 10/-2

y = -(5/2)x - 5

**slope** = -5/2 , **y intercept** or **b** = - 5

2)

3y + 12x + 7 = -8

3y = -12x -7 - 8

3y = -12x – 15

3y/3 = -12x/3 - 15/3

y = -4x – 5

**slope** = -4 , **y intercept** or **b** = -5

Try these !!

3) - 5y + 3x = 20

4) 2x – 4y - 2 = 7

5) x + 5y = 8

Write the equation of a line that has a slope of 4 and passes through the point (6, -2)

y – y1 = m(x – x1)

y - -2 = 4(x - 6)

y + 2 = 4x -24

y = 4x - 26