The form of a linear equation that we have focused on so far is the slope y-intercept form:

Another form of a linear equation that is used is called the Standard Form. Standard form of a linear equation is:

Example 1: Which equations are in standard form?

a) $3x - 4y - 3 = 0$ b) $y = 2x - 3$

c) $2y + 5x - 7 = 0$ d) $0 = 3x - y + 1$

e) $x - 2 = 0$ f) $y + \frac{7}{2} = 0$

Example 2: Express each equation in $y = mx + b$ form. State the slope and y-intercept:

a) $4x + 6y + 8 = 0$ b) $10x - 2y - 6 = 0$

c) $7x - 7y + 14 = 0$

Homework : Page 188 #2abcd, 3abcd, 4abcd