

f

v

$$a = -1 / 2a - 2b = 1 \Rightarrow -2b = 3 \Rightarrow d = -1 / -b = 2 \Rightarrow b = -2$$

$$e - 3b = c \Rightarrow -1 + 6 \Rightarrow c = c \Rightarrow d + c = 5$$

A

q

1.

$$f = g \Rightarrow \frac{(2x + a)}{2x^2 + 5x + b} = \frac{y}{x - c} \Rightarrow \frac{(2x + a)(x - c)}{2x^2 + 5x + b} = \frac{y(2x^2 + 5x + b)}{2x^2 + 5x + b}$$

$$a = 1y + 2c \rightarrow 1x + 2c = 2b \rightarrow b = -5c - c^2 \Rightarrow x^2 + 5x + b = k(x - c)$$

$$c = -3$$

$$a = 1y + 2(-3) = k - 6 = 9$$

$$b = -5(3) - (-3)^2 = 18 - 9 = 9 \Rightarrow a + b + c = 12$$

$$c = -3$$