Correction

A)
$$f(x) = (4x - 5)^2 - (3x + 6)(4x - 5)$$

A) $f(x) = (4x - 5)^2 - (3x + 6)(4x - 5)$
 $f(x) = (4x - 2)^2 - (40x + 25 - (42x^2 - 15x + 24x - 36))$
 $f(x) = (4x^2 - 40x + 25 - (42x^2 + 15x - 24x + 36))$
 $f(x) = (4x^2 - 49x + 55)$
 $f(x) = (4x^2 - 49x + 55)$
 $f(x) = (4x - 5)^2 - (3x + 6)(4x - 5)$
 $f(x) = (4x - 5)^2 - (3x + 6)(4x - 5)$
 $f(x) = (4x - 5)(4x - 5 - 3x - 6)$
 $f(x) = (4x - 5)(4x - 5 - 3x - 6)$
 $f(x) = (4x - 5)(4x - 5)(4x - 11)$
 $f(x) = (4x - 5)(4x - 5)(4x - 11)$
 $f(x) = (4x - 5)(4x - 11) = 0$
 $f(x) = (4x - 5)(4x - 11) = 0$
 $f(x) = (4x - 5)(4x - 11) = 0$
 $f(x) = (4x - 5)(4x - 11) = 0$
 $f(x) = (4x - 5)(4x - 11) = 0$
 $f(x) = (4x - 5)(4x - 11) = 0$
 $f(x) = (4x - 5)(4x - 11) = 0$
 $f(x) = (4x - 5)(4x - 11) = 0$
 $f(x) = (4x - 5)(4x - 11) = 0$
 $f(x) = (4x - 5)(4x - 11) = 0$
 $f(x) = (4x - 5)(4x - 11) = 0$
 $f(x) = (4x - 5)(4x - 11) = 0$
 $f(x) = (4x - 5)(4x - 11) = 0$
 $f(x) = (4x - 5)(4x - 11) = 0$
 $f(x) = (4x - 5)(4x - 11) = 0$
 $f(x) = (4x - 5)(4x - 11) = 0$
 $f(x) = (4x - 5)(4x - 11) = 0$
 $f(x) = (4x - 5)(4x - 11) = 0$
 $f(x) = (4x - 5)(4x - 11) = 0$
 $f(x) = (4x - 5)(4x - 11) = 0$
 $f(x) = (4x - 5)(4x - 11) = 0$
 $f(x) = (4x - 5)(4x - 11) = 0$
 $f(x) = (4x - 5)(4x - 11) = 0$
 $f(x) = (4x - 5)(4x - 11) = 0$
 $f(x) = (4x - 5)(4x - 11) = 0$
 $f(x) = (4x - 5)(4x - 11) = 0$
 $f(x) = (4x - 5)(4x - 11) = 0$
 $f(x) = (4x - 5)(4x - 11) = 0$
 $f(x) = (4x - 5)(4x - 11) = 0$
 $f(x) = (4x - 5)(4x - 11) = 0$
 $f(x) = (4x - 5)(4x - 11) = 0$
 $f(x) = (4x - 5)(4x - 11) = 0$
 $f(x) = (4x - 5)(4x - 11) = 0$
 $f(x) = (4x - 5)(4x - 11) = 0$
 $f(x) = (4x - 5)(4x - 11) = 0$
 $f(x) = (4x - 5)(4x - 11) = 0$
 $f(x) = (4x - 5)(4x - 11) = 0$
 $f(x) = (4x - 5)(4x - 11) = 0$
 $f(x) = (4x - 5)(4x - 11) = 0$
 $f(x) = (4x - 5)(4x - 11) = 0$
 $f(x) = (4x - 5)(4x - 11) = 0$
 $f(x) = (4x - 5)(4x - 11) = 0$
 $f(x) = (4x - 5)(4x - 11) = 0$
 $f(x) = (4x - 5)(4x - 11) = 0$
 $f(x) = (4x - 5)(4x - 11) = 0$
 $f(x) = (4x - 5)(4x - 11) = 0$
 $f(x) = (4x - 5)(4x - 11) = 0$
 $f(x) = (4x - 5)(4x - 11) = 0$
 $f(x) = (4x - 5$

(=) 4x = 5 on x = 11(=) x = 3 on x = 11S = 35; 11/

2)
$$f(x) = (2x-3)(7x+5) + (2x-3)^{2}$$

A) on diveloppe:

 $f(x) = 16x^{2} + 10x - 26x - 15 + 4x^{2} - 12x + 9$
 $= 18x^{2} - 23x - 6$

B) on factorie:

 $f(x) = (2x-3)(7x+5) + (2x-3)^{2}$
 $= (2x-3)(7x+5) + (2x-3)^{2}$
 $= (2x-3)(7x+5) + (2x-3)$
 $= (2x-3)(7x+5) + (2x-3)$

$$||h|| = 0 = (2x-3)(9x+2) = 0$$

$$= 2x-3 = 0 = 9x+2 = 0$$

$$= 2x-3 = 0 = 9x+2 = 0$$

$$= 2x-3 = 0 = 9x+2 = 0$$

$$= 2x-3 = 0 = 2x-2 = 0$$

$$S = \begin{cases} -\frac{2}{3} & \frac{3}{3} \\ \frac{3}{3} & \frac{3}{3} \end{cases}$$