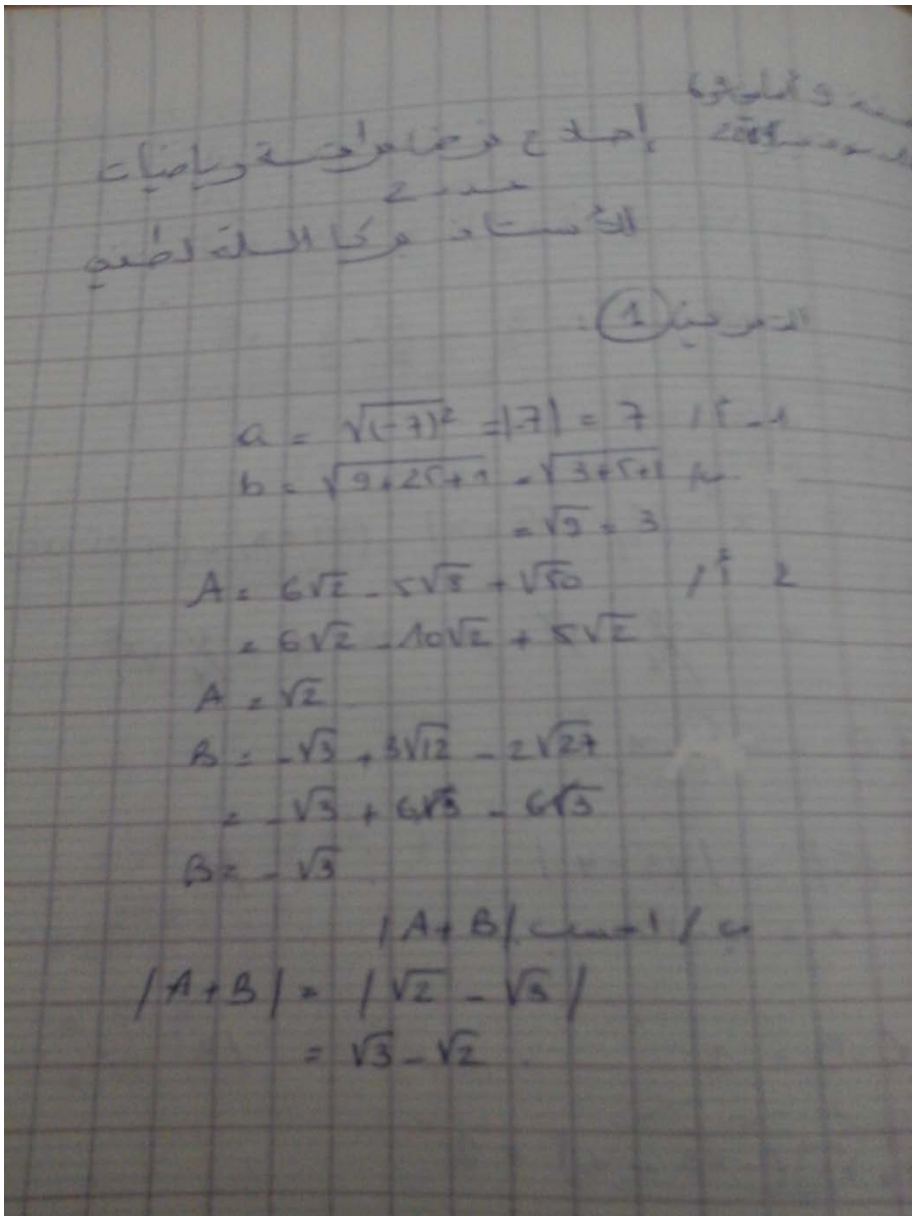

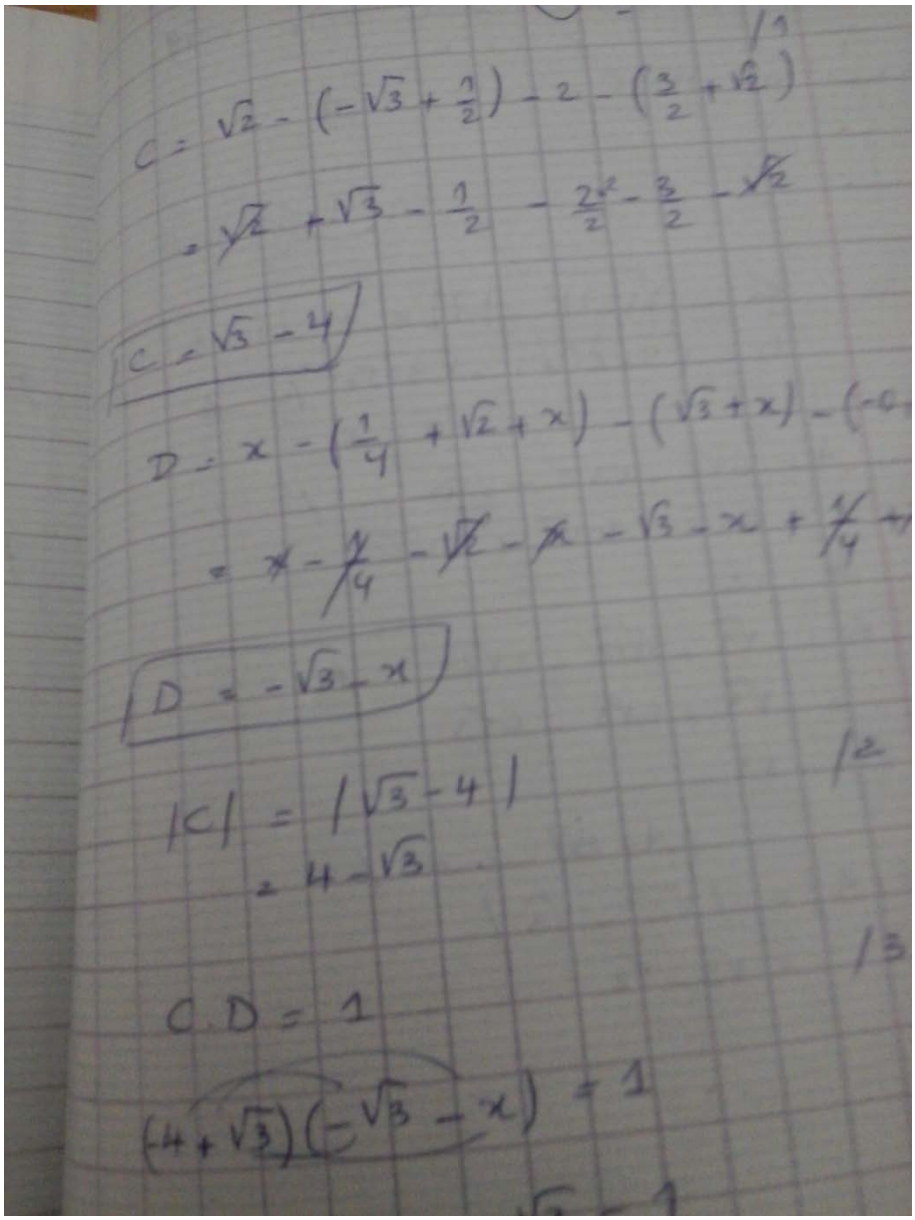

$C = \sqrt{2} - \left(-\sqrt{3} + \frac{1}{2}\right) - 2 - \left(\frac{3}{2} + \sqrt{2}\right)$

$= \sqrt{2} + \sqrt{3} - \frac{1}{2} - \frac{2^2}{2} - \frac{3}{2} - \sqrt{2}$

$C = \sqrt{3} - 4$

$D = x - \left(\frac{1}{4} + \sqrt{2} + x\right) - \left(\sqrt{3} + x\right) - (-$

$= x - \frac{1}{4} - \sqrt{2} - x - \sqrt{3} - x + \frac{1}{4} +$

$D = -\sqrt{3} - x$

$|C| = |\sqrt{3} - 4|$

$= 4 - \sqrt{3}$

$C \cdot D = 1$

$(4 + \sqrt{3})(-\sqrt{3} - x) + 1$

$$x = \frac{(4-4\sqrt{3})(4+\sqrt{3})}{4^2-\sqrt{3}^2}$$

$$= \frac{(4-4\sqrt{3})(4+\sqrt{3})}{16-3}$$

$$= \frac{(4-4\sqrt{3})(4+\sqrt{3})}{13}$$

$$= \frac{16-4\sqrt{3}-16\sqrt{3}-12}{13}$$

$$x = \frac{4-20\sqrt{3}}{13}$$

التمرين 3 : /1

$a.b \overset{?}{=} 1$

$(\sqrt{5}-2)(\sqrt{5}+2)$

$= (\sqrt{5})^2 - 2^2$

$= 5-4$

$= 1$

$E = (\sqrt{3}+1)(\sqrt{3}-2)$ /2

$= 3 - 2\sqrt{3} + \sqrt{3} - 2$

$E = 1 - \sqrt{3}$

$F = (\sqrt{2}-1)(\sqrt{3}-5) + (\sqrt{2}-1)(1+2\sqrt{3})$ /3

$= (\sqrt{2}-1)(\sqrt{3}-5+1+2\sqrt{3})$

$= (\sqrt{2}-1)(3\sqrt{3}-4)$

④ التمرين