

## Correction du DS

III)  $P = 12000$

$$Q = 15000$$

$$P1 = \frac{12000 \times 3}{100} = 360$$

$$12000 + 360 = 12360$$

$$\mathbf{P1 = 12360}$$

$$P2 = \frac{12360 \times 3}{100} = 370.8$$

$$12360 + 370.8 = 12730.8$$

$$\mathbf{P2 = 12730.8}$$

$$Q1 = \frac{15000 \times 2}{100} = 300$$

$$15000 + 300 = 15300$$

$$\mathbf{Q1 = 15300}$$

$$Q2 = \frac{15300 \times 2}{100} = 306$$

$$15300 + 306 = 15606$$

$$\mathbf{Q2 = 15606.}$$

$$Q2 = \boxed{\phantom{000000}} = 306$$

$$15300 + 306 = 15606$$

$$\mathbf{Q2 = 15606}$$

Correction du DS

Poirier Coralie

1ES2

Payet Logan

II Résoudre les équations :

1)  $9x^2+6x+5=0$

$$\begin{array}{ll} A=9 & \Delta= 6^2-4*9*5 \\ B=6 & = 36-180 \\ C=5 & \Delta= -144 \end{array}$$

Donc  $9=\emptyset$

2)  $x+0.2=30x^2$

$$\begin{array}{l} -30x^2+x+0.2=30x^2-30x^2 \\ -30x^2+x+0.2=0 \end{array}$$

$$\begin{array}{ll} A=-30 & \Delta= 1^2-4*(-30)*0.2 \\ B=1 & = 1+24 \\ C=0.2 & \Delta= 25 \end{array}$$

$$x1 = \frac{-1+\sqrt{25}}{2*(-30)}$$

$$x2 = \frac{-1-\sqrt{25}}{2*(-30)}$$

$$= \frac{-1\pm 5}{-60}$$

$$= \frac{-1-5}{-60}$$

$$= \frac{4}{-60}$$

$$= \frac{-6}{-60}$$

$$x2 = 0.1$$

$$x1 = \frac{2}{-30}$$

$$S = \left\{ \frac{2}{-30}; 0.1 \right\}$$