

fiche m8

$$\begin{aligned}
 x^2 - 2x + y^2 + 6y &= 15 \\
 (x-1)^2 - 1 + (y+3)^2 - 9 &= 15 \\
 (x-1)^2 + (y+3)^2 &= 15 + 10 \\
 (x-1)^2 + (y+3)^2 &= 25 = 5^2 \\
 A(-1; 3); R &= 5
 \end{aligned}$$

$$\begin{aligned}
 x^2 - 4x + y^2 - 2y &= -1 \\
 (x-2)^2 - 4 + (y-1)^2 - 1 &= -1 \\
 (x-2)^2 + (y-1)^2 &= 2 \\
 A(2; -1); R &= 2
 \end{aligned}$$

$$1000 \left(1 + \frac{5}{100} \right)^{\frac{12}{m}} \quad \text{~~1000~~} \quad \left(1000 \left(1 + \frac{0.05}{m} \right)^{\frac{12}{m}} \right)$$

$$\frac{3}{\frac{m+m}{3}} = 4$$

$$3 + \frac{3}{1} = 4$$

$$\begin{aligned}
 2 &= 6 \\
 \left(2 + \frac{2}{2} \right) 2
 \end{aligned}$$

$$\begin{aligned}
 6 &= 2 \\
 \left(6 + \frac{6}{6} \right) &= 6
 \end{aligned}$$

$$12 \div 3 = 4$$

$$\begin{aligned}
 4 &= 3 \\
 4 + 4 &= 4 \times 3 \\
 4 &= 3
 \end{aligned}$$

$$6 - 2$$

$$12 \div 6$$

$$\frac{1}{2} + \frac{1}{2}$$

m = nombre de période

$$1000 \left(1 + \frac{0.05}{n} \right)^m$$

~~$a * b$~~ ~~a~~ ~~a~~ ~~a~~ ~~a~~

$$a + b \times \left(\frac{a_m}{\cancel{b}} \right)^m$$

$$\frac{a}{1000} \times ? = \frac{b}{50}$$

$$? = \frac{50}{1000}$$

$$\frac{f-b}{2} = \frac{b}{a}$$

$$a \left(1 + \frac{b}{a} \frac{1}{n} \right)^n$$

$$\frac{a + \frac{b}{2}}{a^{m-1}}$$

$$\frac{a^{m+1} + \frac{1}{m} b^m}{a^m}$$

$$= \frac{1050 + \frac{1}{4} 50^4}{1000}$$

$$= 1128.90825$$

$$\frac{(a + \frac{1}{2}b)^2}{a} = \frac{a^2 + (\frac{1}{2}b)^2 + ab}{a} = a + \frac{1}{4} \frac{b^2}{a} + b$$

$$\frac{(a + \frac{1}{2} \times \frac{b}{a})^2}{a} = a +$$

$$a + \frac{(\frac{1}{2}b)^2}{a} + b = a + \frac{(15 \times b)^2}{2a} + b$$

$$a + \left(\frac{15b}{2a}\right)^2 + b = a + b + \left(\frac{b}{2a}\right)^2$$

$$a + b + \left(\frac{b}{2a}\right)^2$$

$$a + b + \frac{b^2}{2a^2}$$

$$\frac{a \times b^2}{1 \times 2a^2} + \frac{b \times b^2}{1 \times a^2} + \frac{b^2}{2a^2} = \frac{a \times b^2}{2a^2} + \frac{b^3}{2a^2} + \frac{b^2}{2a^2}$$

$$\frac{a \times b^2}{2a^2} + \frac{b^5}{4a^4} = \frac{b^2}{2a} + \frac{b^5}{4a^4}$$

$$\frac{b^2 \times b^5}{2a \times 4a^4} + \frac{b^5 \times b^2}{4a^4 \times 2a} = \frac{b^{10}}{8a^5} + \frac{b^{10}}{8a^5} = \frac{b^{20}}{8a^5}$$