<> Question:

```
          3^(2x²)
   • soit --------- = 81
            9^x

   • x = ?
```

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```
01 • --------- = 81
        9^x

02 • 3^(2x²) = 81 * 9^x

03 • 3^(2x²) = 3⁴ * (3²)^x

04 • 3^(2x²) = 3⁴ * 3^(2x)

05 • 3^(2x²) = 3^(4+2x)

06 • 2x² = 4 + 2x

07 • 2x² - 2x - 4 = 0

08 • x² - x - 2 = 0

09 • (x + 1)(x - 2) = 0
                                          +--------+
                    +---> (x + 1) = 0 => | x = -1 |
                    |                     +--------+
10 • 2 racines: --->|
                    |                     +--------+
                    +---> (x - 2) = 0 => | x =  2 |
                                          +--------+
```

<> fin

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