$|x^2-x+1| = |2x-3x^2|$

$\Leftrightarrow$ $x^2-x+1 = 2x-3x^2$ ou $x^2-x+1 = -2x+3x^2$

$\Leftrightarrow$ $4x^2-3x+1=0$ ou $2x^2-x-1=0$

$\Delta = 9-16 = -7$ $\quad$ $\Delta = 1+8 = 9$

Pas de Solution $\quad$ Ou $x = \frac{1+\sqrt{9}}{4} = 1$

ou $x = \frac{1-\sqrt{9}}{4} = \frac{1-3}{4} = -\frac{1}{2}$

Donc $x = 1$ ou $x = -1/2$