

3 Vrai.

$$(1 + \sqrt{3})^2 = 1^2 + 2 \times 1 \times \sqrt{3} + (\sqrt{3})^2 = 1 + 2\sqrt{3} + 3 = 4 + 2\sqrt{3}.$$

Or $4 + 2\sqrt{3} \neq 4$.