Answers

Use these to check the method as well as the final answer.

1. $f(2) = 7$.

2. $f(1) = 1 - 4 + 3 = 0$.

3. Quotient $x^2 + x - 3$; hence $(x - 1)(x^2 + x - 3)$. The quadratic has real roots $(-1 \pm \sqrt{13})/2$.