PRACTICE QUIZ 4

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Time: 15 min
Time to beat: 7 min

Problem 1. If $f(x) = x^2 - 4x + 6$, show that $f(2 - h) = f(2 + h)$.

Problem 2. If $f(x) = \frac{x-1}{x+1}$, show that $f(1/x) = -f(x)$ and $f(-1/x) = -\frac{1}{f(x)}$.

Problem 3. If $f(x) = x^2 - x$, show that $f(x + 1) = f(-x)$.

Problem 4. If $y = f(x) = \frac{5x+3}{4x-5}$, show that $x = f(y)$.