65 (a) $f(x) = -x^3 + 4x = 0 \Rightarrow -x(x^2 - 4) = -x(x+2)(x-2) = 0 \Rightarrow x = 0$ or ± 2.

(b) Graph $Y_1 = -X\hat{}3 + 4X$ in $[-5, 5, 1]$ by $[-5, 5, 1]$. The x–intercepts are -2, 0, and 2.

(c) Table $Y_1 = -X\hat{}3 + 4X$ starting at $x = -3$, incrementing by 1. The zeros or x–intercepts are -2, 0, and 2.