10.2)

d) $f(n) = 1089$

$f(0) = 0$

$f(n+1) = 1089 + f(n)$

$f(1) = 1089 + f(0)$

$f(2) = 1089 + f(1)$

$\vdots$

$f(8) = 1089 + f(7)$

e) $f(n) = 4n + 2$

$f(0) = 2$

$f(n+1) = (4n + 2) \cdot f(n)$

$f(1) = (4 \cdot 0 + 2) \cdot f(0)$

$\vdots$

$f(8) = (4 \cdot 7 + 2) \cdot f(7)$

f) $f(n) = 1 + (-1)^n$

$f(0) = 2$

$f(n+1) = 1 + (-1)^{f(n)}$

$f(1) = 1 + (-1)^{f(0)}$

$\vdots$

$f(8) = 1 + (-1)^{f(7)}$