Warm Up: Consider a function $f(t) = \frac{2t}{t+k}$ for some constant $k$.

Evaluate and simplify the expression for $f(2)$ assuming that $k = 3$.

a) $\frac{4}{5}$

b) 1

c) $\frac{4}{2+k}$

d) $2k$

e) $\frac{2}{3}$