Evaluating Rational Functions

A) Evaluate each function at the specified value.

1) $f(x) = \dfrac{x+1}{x^2+x}; x = 5$

2) $f(x) = \dfrac{-7+x}{x}; x = -1$

3)

B)

1)

3) If $f(x) = \dfrac{10+8x}{2}$, find $f(0)$.

4) If $f(x) = \dfrac{-x}{6-x}$, find $f(9)$.

C) What is the value of $f(3)$ if $f(x) = \dfrac{8x}{x+1}$?

i) -4 ii) 6 iii) 4 iv) -6