

Let $F(x) = \int_1^x f(t) dt$ where $f(t)$ is the function graphed below.

1. Where is F increasing?
decreasing?
2. Where does F have a local max?
a local min?
3. Is F concave up or concave down
at $x = 3$?
4. Determine if the following values
are positive or negative:

$F(3)$ $F(4)$ $F(0)$ $F(1)$

