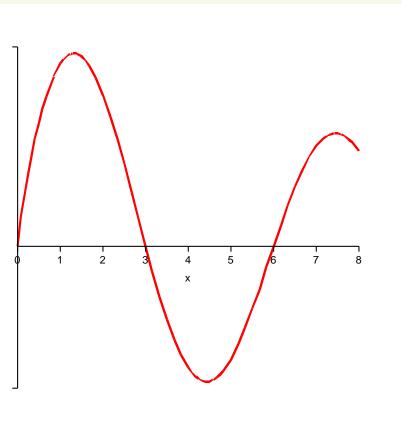
Let $F(x) = \int_1^x f(t) dt$ where f(t) is the function graphed below.

- 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:

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



T. Ratliff - Math 102 April 14, 2006