Using the function $f(x)$ graphed below, estimate:

(3 pts) 11. a) $f'(3)$

(3 pts) b) $\int_{1}^{3} f(x) \, dx$

(3 pts) c) $f''(2.3)$

(3 pts) d) $\int_{1}^{3} f'(x) \, dx$