EE 230 — HW 2.2 Name_____

Use Laplace transform methods to solve the differential equation:

$$\frac{d^2f(t)}{dt^2} + 12\frac{df(t)}{dt} + 32f(t) = 10 \cdot e^{-2t}$$

The initial conditions are f(0) = 0 and $\left.\frac{df}{dt}\right|_{t=0} = 0$.

$f(t)$ = _____

Write your answers — and whatever work will fit — on this sheet. Staple any sheets with additional work behind.