Find the inverse Laplace transform of the following functions.

1. $F(s) = \dfrac{4}{(s-3)^3}$

2. $F(s) = \dfrac{2s-3}{s^2 + 2s + 10}$

3. $F(s) = \dfrac{9s^2 - 12s + 28}{s(s^2 + 4)}$