

1. $f(t) = 2e^{-6t}u(t) + \cos(2t)u(t)$
Find $F(s)$

2. $f(t) = t^2u(t)$
Find $F(s)$

3. $f(t) = (t - 5)u(t - 5)$
Find $F(s)$

4. $f(t) = tu(t - 5)$
Find $F(s)$

5. $F(s) = 7$
Find $f(t)$ (not $F(s)$)

6. $F(s) = \frac{4+s}{s^2+16}$
Find $f(t)$ (hint: check out sin, cos)