P1 **Concept:** Inverse Laplace Transform with real, unique poles

   Find: $f(t)$ given $F(s) = \dfrac{2s}{s^2 + 3s + 2}$

   Hint: One coefficient is 4

P2 **Concept:** Inverse Laplace Transform with real, repeated poles

   Find: $f(t)$ given $F(s) = \dfrac{4}{(s+1)^2(s+2)}$

   Hint: One coefficient is 4

P3 **Concept:** Inverse Laplace Transform with three parts including step functions

   Find: $f(t)$ given $F(s) = \dfrac{s^2 + 9s + 6}{s^3 + 4s^2 + 3s}$

   Hint: One coefficient is 2

P4 **Concept:** Inverse Laplace Transform: improper fractions = impulses

   Find: $f(t)$ given $F(s) = \dfrac{4s^2 + 18s + 11}{s^2 + 5s + 4}$

   Hint: Is it proper?

P5 **Concept:** Inverse Laplace Transform with complex conjugate roots

   Find: $f(t)$ given $F(s) = \dfrac{10}{(s+2)(s^2 + 6s + 10)}$

   Hint: The answer has a non-integer between 7 and 7.5