Find the Inverse Laplace Transform of the given function. Use partial Fractions when Aspropriate (Now Inverse laplace) Based on Q6 of H.W. 20 2 -1 -4 + 2.2 + 50 2 (5+2) + 3(5+2) $F(s) = \frac{5s^2 - 3s - 4}{5^3 + 5s^2 + 69}$ さして当十号に「ます」十号し「まち」 1 (-4) + 3 (c-2+) + 50 (c-2+) Ally lartial Fractions (do Algebra) $\frac{55^{2}-35-4}{5(5^{2}+55+6)} = \frac{55^{2}-35-4}{(5)(5+2)(5+3)} = \frac{A}{(5)} + \frac{B}{(5)} + \frac{C}{(5+2)} + \frac{C}{(5+2)$ 5 st-38-4= A(5+2)(9+3) + B(9+3)(9)+(85+2)(5) 146309 Puts=-3

|y+s| = 0 -4 = A(2)(3) -4 = A(3)(3) -4 = A(6)(3) -4 = A(