

## 7.4 Inverse Laplace Transform

1. Use method of partial fractions to determine inverse Laplace Transform  $\mathcal{L}^{-1}\{F\}$

$$(a) \quad F(s) = \frac{s+11}{(s-1)(s+3)}$$

$$(b) \quad F(s) = \frac{5s^2 + 34s + 53}{(s+3)^2(s+1)}$$

$$(c) \quad F(s) = \frac{7s^2 - 41s + 84}{(s-1)(s^2 - 4s + 13)}$$