c) P&L of a huy-and-hold invertor is unchanged if there is no reinvestment risk of the security.

3.a)
$$t = \frac{-20.0\% - (0.5\%)}{1.8\%} = 1.6\%$$
 by the t -table, we conclude that such probability is loss than 5% .

Variance:
$$(18\%)^2 \times (20\%)^2 + (3\%)^2 \times (20\%)^2 + (6\%)^2 \times (50\%)^2 = 0.023$$

standard enon: $(5.02) = (9.77\%)$

b)
$$R^2 = \frac{SSR}{SST} = 1 - \frac{SSE}{SST} = 1 - \frac{12723}{2013S} = 0.323$$

d)
$$F = \frac{MSR}{MSE} = \frac{SSR}{SSE/N-1} = \frac{20135 - 12423}{12423/101} = 62.6982$$

