

MATH 102 REVIEW #6

① SOLVE

a) $x^2 + 2x = 1 - 3x$

b) $x - 5 \leq 3x + 7$

c) $\frac{1}{x+1} + \frac{2}{x-1} = 3$

d) $x^4 + 2x^3 \leq x^3 + 2x^2$

② IF \$5000 IS INVESTED AT 3% P.A.,
FIND THE BALANCE AFTER 10 YEARS IF INTEREST
IS COMPOUNDED a) YEARLY b) MONTHLY c) CONTINUOUSLY

③ FIND THE INTERSECTION POINTS OF LINE L1
THROUGH POINTS $(-1, 3)$ AND $(2, 0)$ AND LINE L2
WITH SLOPE $m = -1/2$ AND y-INTERCEPT $b = -1$