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## LAB-2 Shifting of Graphs

1, APPlet constructed

 $^{2}$ , (a)  $_{3}(x) = (x+3)^{2}$ 

The Graph of goul is shifted 3 units to the left side from original Position.

(b)  $9(01) = 32^2 + 3$ 

The Graph of good is shifted 3 units Vertically upwards from origin.

The graph of g(x) is shifted vertically downwards by 2 units and horizontally to the left side by 3 units

 $9(01) = (01+3)^2 - 2$ 

(ii)  $\alpha = -2$ , b = -3,  $5(x) = (x-2)^2 - 3$ 

(iii)  $\alpha = 1 / b = 3 / 3(0) = (3(+1)^2 + 3$ 

4, (i) b = 2, a is and real number g(x)= x2+2 where a=0, b=2

(ii) b = -4, a is and real number  $g(x) = xc^2 - 4$ 

(iii) b=3, a is and real number

