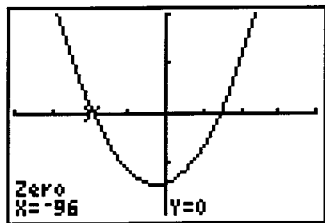


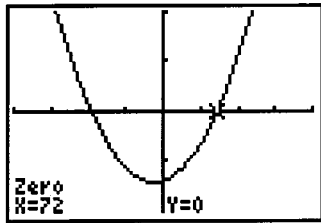
19  $x(x + 24) = 6912 \Rightarrow x^2 + 24x - 6912 = 0$ . Graph  $Y_1 = X^2 + 24X - 6912$  and locate the  $x$ -intercepts. From *Figures 19a & b*, the solutions to the equation are  $x = -96$  or  $72$ .

$[-200, 200, 50]$  by  $[-10,000, 10,000, 5000]$



*Figure 19a*

$[-200, 200, 50]$  by  $[-10,000, 10,000, 5000]$



*Figure 19b*