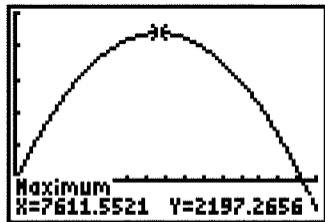


93 Graph  $Y_1 = -16X^2 / (750^2 (\cos(30))^2) + X \tan(30)$  in  $[0, 16,000, 1000]$  by  $[-500, 2500, 500]$ .

(a) The maximum height is shown to be about 2197 feet at (7612, 2197). See *Figure 93a*.

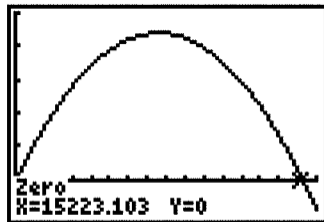
(b) The total distance travelled is shown to be about 15,223 feet. See *Figure 93b*.

$[0, 16,000, 1000]$  by  $[-500, 2500, 500]$



*Figure 93a*

$[0, 16,000, 1000]$  by  $[-500, 2500, 500]$



*Figure 93b*