Name_____ Date_____

Drop Problems.

$h = -16t^2 + s$ h is the final height in ft.
t is the time in sec.
s is the starting height in ft.

How long does is take a ball to reach the ground (or the water) if dropped from one of the following heights?

1) Golden Gate Bridge: 746 ft.

2) Trans America Pyramid in S.F: 853 ft.

3) Seattle Space Needle: 605 ft.

4) Niagara Falls: 176 ft

5) Eiffel Tower: 984 ft.

6) Empire State Building: 1250 ft.

7) El Capitan, Yosemite National park: 3593 ft.