

## Warm-Ups – Monday, October 05, 2020

A football player is kicking a football off of a platform. The height of the football can be calculated by  $h = -2s^2 + 8s + 20$  where  $h$  is the height in feet of the ball, and “ $s$ ” is the number of seconds after it is kicked.

- 1) What is the highest altitude the football will get?
- 2) When will the football be the very highest?
- 3) How high will the football be after 1 seconds?
- 4) How tall was the platform it was kicked from?
- 5) When will the football hit the ground?