**2H Modelling with Quadratics**

1. A spear is thrown over level ground from the top of a tower. The height, , in metres, of the spear above the ground after seconds is modelled by the function:
2. Interpret the meaning of the constant 12.25 in the question
3. After how many seconds does the spear hit the ground?
4. Write in the form , where , and are constants to be found.
5. Using your answer to part c), or otherwise, find out the maximum height of the spear, and when it reaches this height