

QUIZ 2

Name _____

1. Find the amplitude and period of the function $y = 5 + \sin(2x)$
2. The desert temperature, H , oscillates daily between 40° F at 5am and 80° F at 5pm. Write a possible formula for H in terms of t , measured in hours from 5am.
3. An arrow is launched from a bow, straight up into the air. The height of the arrow t seconds after launch is given by the formula $h(t) = -12t^2 + 72t$. When is the arrow at its highest point (Hint: it might help to find both roots) and what is that height?