

You may have been thinking about the fact that $\theta = \frac{1}{2}$ at exactly one point. However, the question is asking about the value of $\sin \theta$, not the value of θ . The first thing that you need to do is to look at each hill and recognize that the value of $\sin \theta$ goes up from 0 to 1, and then down from 1 to 0.