Lesson 12: Negative Rates

Cool Down: Submarines

1. A submarine is descending to examine the seafloor 2,100 feet below the surface. It takes the submarine 2 hours to make this descent. Write an equation to represent the relationship between the submarine's elevation and time.

2. Another submarine's descent can be represented as $y = -240x$, where y is the elevation and x is time in hours. How long will it take this submarine to make the descent?