Let’s Talk!!!! Group Practice. Key ☺ Come to the nerd side. We have pi

1. If a rock is thrown upward on Mars (not from the ground), its height (in meters) after t seconds is given by h(t) = 5+10t − 1.86t 2 . With what velocity will the rock hit the ground?

 V = -11.72 m/s

1. Find the average rate of change over the interval, and the instantaneous rate of change at the lower bound of the given interval. Round to three decimals if necessary.

y =$\frac{1}{(x+3)^{2}}$ [-2, 2]

average rate -6/25

instant rate at x= -2 is -2

1. 

 k = 16



 t = (a+b)/2

1. The length of a rectangle is given by 6t+5 and its height is $\sqrt{t}$, where t is the time in seconds and the dimensions are in centimeters. Find the rate of change of area with respect to time at t = 2.5 sec.

 A’(2.5) = 15.81

1. Find the equations of the tangent lines to the graph of $f\left(x\right)= \frac{x+1}{x-1}$ that are parallel to the line 2y +x =6.

 y-2 = -1/2(x-3 y= -1/2(x+1)