August 21, 2017

HAT 8/21/17 HAPPY ECLIPSE DAY! Intro to Piecewise Functions



10-second Walking Instructions:

- 1. Stand 1.5m from the sensor.
- 2. When you hear the sensor start to click, stand still for 4 seconds.
- 3. Walk quickly away from the sensor at a uniform speed for 3 seconds.
- 4. Stop and walk back towards the sensor slowly at a uniform speed until the clicking stops.

9.3 (-3,7)6 rotario Notario 12.836.51 0 (2,-1) $= \begin{cases} -2(x+3)+7 & \text{for } -3 \le x \le -1 \\ 3 & \text{for } -1 < x < 2 \\ \frac{1}{2}(x-2)-1 & \text{for } x \ge 2 \\ = \begin{cases} -2x+1 & \text{for } -3 \le x \le -1 \\ -2x+1 & \text{for } -1 \le x \le 2 \\ -1 & \text{for } -1 \le x \le 2 \\ -\frac{1}{2}x-2 & \text{for } x \ge 2 \end{cases}$ f(x) =F(x) =

August 21, 2017

Jeff created a distance versus time graph by starting at the 2-meter mark on the floor. He walked towards the detector at 0.25 m/s for 4 seconds, stood still for 2 seconds, walked away from the detector at 0.4 m/s for 2 seconds, and then stopped for 2 seconds. Sketch a plot of Jeff's distance versus time graph, and write the piecewise equation. What was Jeff's ending position? Assignment:

Read pg 101-102

pg. 105 #12-19