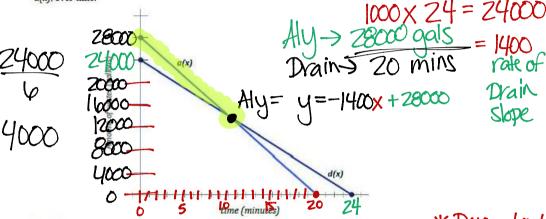
34 The Water Park

A Solidify Understanding Task



Aly and Dayne work at a water park and have to drain the water at the end of each month for the ride they supervise. Each uses a pump to remove the water from the small pool at the bottom of their ride. The graph below represents the amount of water in Aly's pool, a(x), and Dayne's pool, d(x), over time.



Part I

1. Make as many observations as possible with the information given in the graph above.

Dayne has bis with the information given in the graph above.

Both Continuous **Both Linear

Both Continuous **Both Linear * Both Decreal # Hy has more water and drains faster than Dayne.

Dayne takes longer to drain water

Part II

Dayne figured out that the pump he uses drains water at a rate of 1000 gallons per minute and takes 24 minutes to drain.

 Write the equation to represent the draining of Dayne's pool, d(x). What does each part of the equation mean? gallons of water you start with

on this new information,

