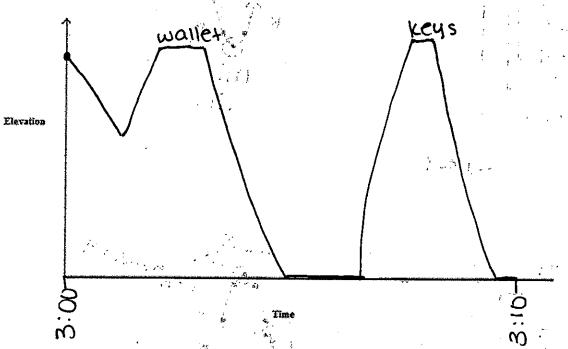
Do Now: Darryl lives on the third floor of his apartment building. His bike is locked up outside on the ground floor. \$1.00 p.m., he leaves to go run errands, but as he is walking down the stairs, he realizes he forgot his wallet. He goes k up the stairs to get it and then leaves again. As he tries to unlock his bike, he realizes that he forgot his keys. One last time, he goes back up the stairs to get his keys. He then unlocks his bike, and he is on his way at 3:10 p.m.

Sketch a graph that depicts Darryl's change in elevation over time.



AIM: REAL-LIFE QUADRATICS VS EXPONENTIAL FUNCTIONS

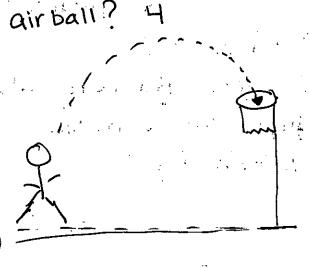
Which basketball will go in the hoop? (¬ Sketch the path of the basketball.

http://www.101qs.com/1195-will-it-hit-the-hoop

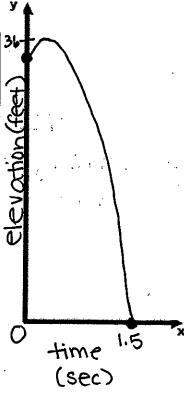
2. Man Jumping in Shallow Pool: Complete the table below and graph the function. https://www.youtube.com/watch?v=ZCFBC8aXz-g

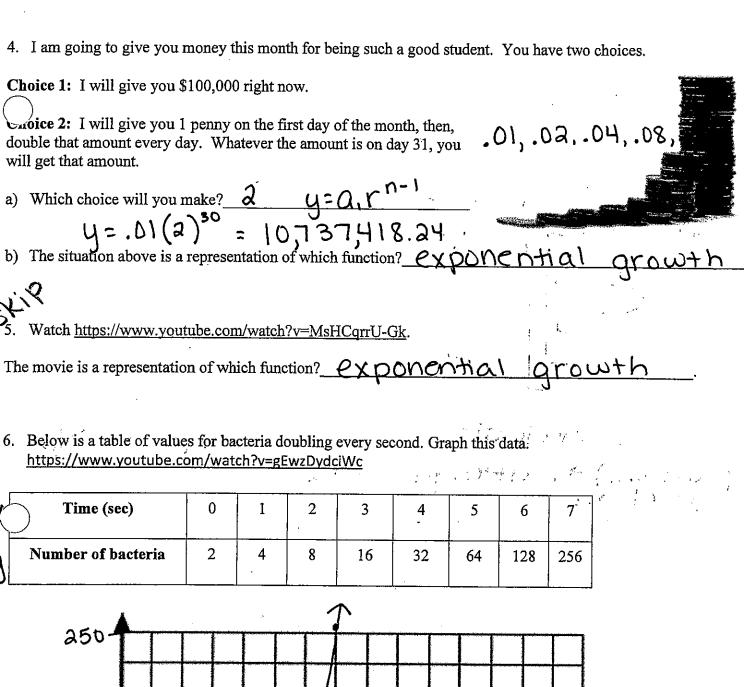
Shots 1, 3, 5, 7

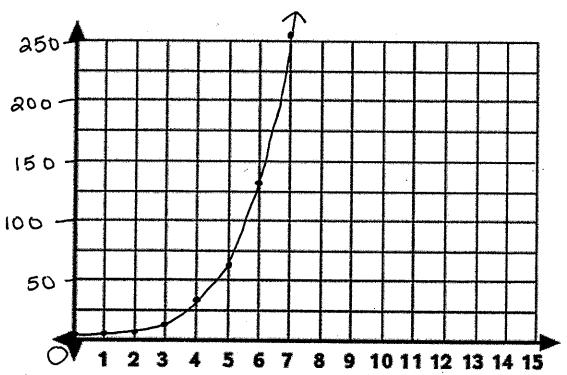
air ball?



Time	Elevation
(sec)	(ft)
0	35.5
.25	36
.75	30
1	24
1.25	1.5
1.5	0







time (seconds)