Name:	Date:
LAB 2C: Which song plays ne Response Sheet	xt?
Directions: Record your responses to the lab questions in the spaces	s provided.
A new direction	
Estimate what ?	
(1) Why do we put a song back each time we make a selection?	
(2) What would happen in our little experiment if we did not do	this?
Calculating probabilities Estimating probabilities Getting ready rap <- rep("rap", times = 39) (3) Write and run a similar line of code to simulate the rock son	gs in our playlist of 100.
Put the songs in the playlist (4) Fill in the blanks to combine your different songs: songs <(rap,)	
Pick a song, any song (5) Run this code 10 times and compute the proportion of "rap"	" songs you drew from the 10.
(6) Once everyone in your class has computed their proportions, largest proportion minus the smallest proportion) for your class a	
Now do() it some more	
(7) Fill in the blanks below to do the sample code from the prev	ious slide 50 times:

Name:	Date:
	C: Which song plays next? Response Sheet
(8) Write and run code assigning the 5	0 selected songs the name draws and then View your file.
(9) What is the variable name?	
(10) Fill in the blank below to tally h	-
(11) Compute the proportion of "rap class's proportions is bigger or smalle	" songs for your 50 draws and find out if the <i>range</i> for your r than when we drew 10 songs.
Proportions vs. Probability	
Non-random Randomness	
Playing with seeds	
(12) What value of set.seed did you songs you obtained?	and your partner use and what was the proportion of "rap"
Redo the 50 simulations one last time set.seed().	e but have each partner choose a different number for
(13) Are the proportions still the same different answers?	e? If so, can you find two different values for set.seed that give
On vour own	
On your own (14) Write and run code estimating th movies using 500 simulations.	e probability that a randomly chosen student went to the
	ne output that estimates the probability that a randomly chosen O simulations. You might find it helpful to write your answer in O.