Size in feet ²	Number of bedrooms	Number of floors	Age of home in years	Price (\$) in \$1000's
X1	X ₂	Хз	Хų	
2104	5	1	45	460
1416	3	2	40	232
1534	3	2	30	315
852	2	1	36	178

	30
	\bigcirc Correct Yes! $x_4^{(3)}$ is the 4th feature (4th column in the table) of the 3rd training example (3rd row in the table).
2.	
	Which of the following are potential benefits of vectorization? Please choose the best option. It makes your code run faster It can make your code shorter It allows your code to run more easily on parallel compute hardware
	All of the above Correct Correct! All of these are benefits of vectorization!
3.	True/False? To make gradient descent converge about twice as fast, a technique that almost always works is to double the learning rate $alpha$.
	TrueFalse
	Correct Doubling the learning rate may result in a learning rate that is too large, and cause gradient descent to fail

to find the optimal values for the parameters \boldsymbol{w} and $\boldsymbol{b}.$