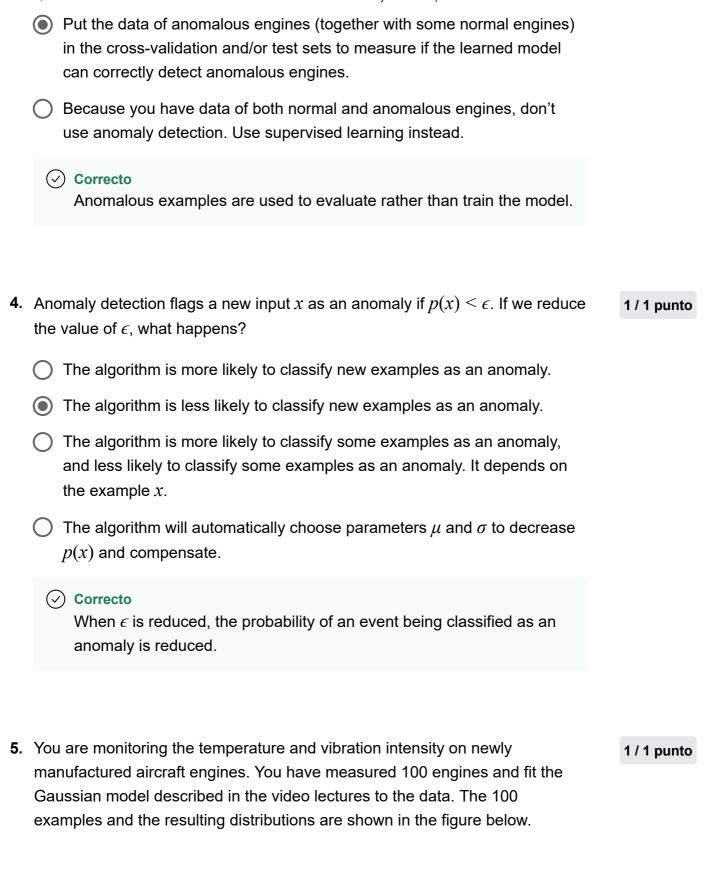
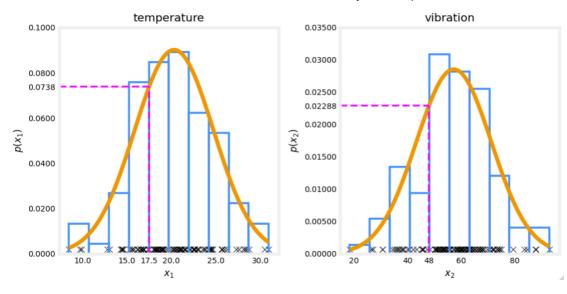
1.		1 / 1 punto
	You are building a system to detect if computers in a data center are malfunctioning. You have 10,000 data points of computers functioning well, and no data from computers malfunctioning. What type of algorithm should you use?	
	Anomaly detection	
	O Supervised learning	
	 Correcto Creating an anomaly detection model does not require labeled data. 	
2.		1 / 1 punto
	You are building a system to detect if computers in a data center are malfunctioning. You have 10,000 data points of computers functioning well, and 10,000 data points of computers malfunctioning. What type of algorithm should you use?	
	Anomaly detection	
	Supervised learning	
	 Correcto You have a sufficient number of anomalous examples to build a supervised learning model. 	
3.		1 / 1 punto
	Say you have 5,000 examples of normal airplane engines, and 15 examples of anomalous engines. How would you use the 15 examples of anomalous engines to evaluate your anomaly detection algorithm?	
	Use it during training by fitting one Gaussian model to the normal engines, and a different Gaussian model to the anomalous engines.	
	You cannot evaluate an anomaly detection algorithm because it is an unsupervised learning algorithm.	



The measurements on the latest engine you are testing have a temperature of 17.5 and a vibration intensity of 48. These are shown in magenta on the figure below. What is the probability of an engine having these two measurements?



- 17.5 * 48 = 840
- 17.5 + 48 = 65.5
- 0.0738 * 0.02288 = 0.00169
- \bigcirc 0.0738 + 0.02288 = 0.0966
 - **⊘** Correcto

According to the model described in lecture, p(A, B) = p(A) * p(B).