1. What is the correct syntax for the first layer in a convolutional neural network that takes an MNIST (28x28 monochrome) input?



```
model.add(tf.layers.conv2d({inputShape: [28, 28, 1], kernelSize: 3, filters: 8,
  activation: 'relu'}));
```

```
model.add(tf.layers.conv({inputShape: (28, 28, 1), kernelSize: 3, filters: 8,
  activation: 'relu'}));
```

```
model.add(tf.layers.conv2d({inputShape: [28, 28], kernelSize: 3, filters: 8,
     activation: 'relu'}));
2
```

```
model.add(tf.layers.conv({inputShape: [28, 28, 1], kernelSize: 3, filters: 8,
  activation: 'relu'}));
```





```
1 model.add(tf.layers.maxPooling2d({poolSize: [2, 2]}));
```

```
1 model.add(tf.layers.maxPooling2D({poolSize = [2, 2]}));
```

```
1 model.add(tf.layers.maxPooling2D({poolSize: [2, 2]}));
```

```
1 model.add(tf.layers.maxPooling2d({poolSize = [2, 2]}));
```

3.	What is the correct syntax for compiling a model with an optimizer, loss function and metrics?			1 / 1 point
	0	1	<pre>model.compile({ optimizer: tf.train.adam(); loss: 'categoricalCrossentropy';   metrics: ['accuracy']});</pre>	
	0	1	<pre>model.compile({ tf.optimizer: tf.train.adam(), tf.loss:     'categoricalCrossentropy', tf.metrics: ['accuracy']});</pre>	
	<b>(1)</b>	1	<pre>model.compile({ optimizer: tf.train.adam(), loss: 'categoricalCrossentropy',     metrics: ['accuracy']});</pre>	
	0	1	<pre>model.compile({    optimizer = tf.train.adam(), loss = 'categoricalCrossentropy',     metrics = ['accuracy']});</pre>	
	,	/ c	orrect	
4.	How do you correctly pass a set of validation data called textXs and testYs to the model.fit method in JavaScript?			
	Use validationData = [testXs, testYs] in the list of parameters to model.fit			
	Use validationData: [testXs, testYs] in the list of parameters sent as the third parameter to model.fit			
	Use validationData= [testXs, testYs] and pass it to the model.fit method			
	Use validationData: [testXs, testYs] in the list of parameters to model.fit			

Incorrect

1/1 point

1 / 1 point

Correct