10. Consider the following 1 hidden layer neural network: x_3 x_4 What are the dimensions of $Z^{\left[1\right]}$ and $A^{\left[1\right]}$?

No. The $Z^{[1]}$ and $A^{[1]}$ are calculated over a batch of training examples. The number of columns in $Z^{[1]}$ and $A^{[1]}$ is equal to the number of examples in the batch,

 $Z^{\left[1
ight]}$ and $A^{\left[1
ight]}$ are (4, 1)

 $Z^{\left[1
ight]}$ and $A^{\left[1
ight]}$ are (3, m)

 $Z^{\left[1
ight]}$ and $A^{\left[1
ight]}$ are (3, 1)

 $Z^{\left[1
ight]}$ and $A^{\left[1
ight]}$ are (4, m)

m. And the number of rows in $Z^{[1]}$ and $A^{[1]}$ is equal to the number of neurons in the first layer.

∠ **Expand**

⊗ Incorrect