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## Quiz: Activation Max Pooling

### Instructions for Graded Review Questions

*How much time do I have to complete these questions?*

Unlimited. You can take as long you want to answer these questions.

*Can I go back to the videos to check something, then come back to these Review Questions?*

Yes, absolutely! These questions are for you to review what you've learned so far. Take your time.

*Do these Review Questions count towards my final grade?*

Yes, all of the review questions, combined together, are worth 50% of your total mark.

*How many chances do I get to answer these questions?*

It depends:

- For True/False questions, you only get one (1) chance.
- For any other question (that is not True/False), you get two (2) chances.

### How can I check my overall course grade?

You can check your grades by clicking on "Progress" in the top menu.

## Multiple Choice

1/1 point (graded)

Consider the following code:

```
z = torch.tensor([[1,0,-1],[2,0,-2],[1,0,-1]])
```

What is the output of `torch.nn.functional.relu(z)` ?

☐ `tensor([[1,0,-1],[2,0,-2],[1,0,-1]])`

☐ `tensor([[0,0,-1],[0,0,-2],[0,0,-1]])`

☐ `tensor([[1,0,1],[2,0,2],[1,0,1]])`

☒ `tensor([[1,0,0],[2,0,0],[1,0,0]])`



Submit

You have used 1 of 2 attempts

✓ Correct (1/1 point)

## Multiple Choice

1/1 point (graded)

Consider the following code:

```
z = torch.tensor([[[[1,2,3,-4],[0.0,2.0,-3.0,0],[0,2,3,1],[0,0,0,0]]]])
```

```
max_ = torch.nn.MaxPool2d(2, stride=2)
```

What is the output of `max_(z)` ?

☐ `tensor([[[[2,3,3],[2,3,3],[2,3,3]]]])`

☐ `tensor([[[[0,-3,-4],[0,-3,-3],[0,0,0]]]])`

☒ `tensor([[[[2., 3.],[2., 3.]]]])`



Submit

You have used 1 of 2 attempts

✓ Correct (1/1 point)

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