Name: _____

Lab 1 review

Partner up. Open up your Image Classifier notebook to answer the following questions. (You may need to run the code again.)

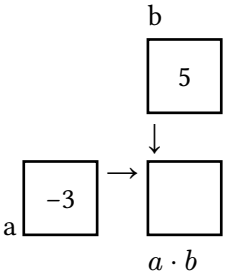
- How many images were in the training set? _____
- How many images were in the validation set? _____
- How many classes were we classifying? _____
- How many classes could each image belong to? _____
- What did the output of the model look like for a single image? _____
- Look at the last cell, for trying on your own image. Notice that it calls `model(input_tensor)`. In a separate cell, run `imshow(input_tensor[0].cpu())`. What do you see? _____
- In a separate cell, run `input_tensor.shape`. What do you get? Can you explain any of those numbers?

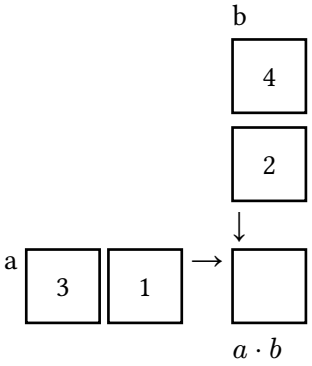
  _____

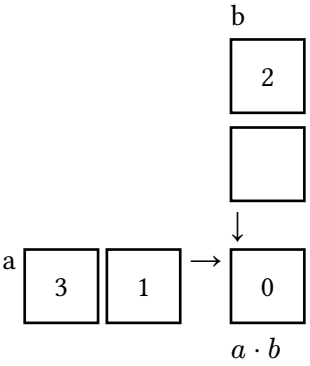
Now, draw a diagram showing the *inputs* and *outputs* of the model (treat the model itself as a black box), focusing on what are the numbers that go into the model and what are the numbers that come out.

Dot products

To compute the dot product of two vectors `a` and `b`, we multiply corresponding entries and sum. Try it:







Now make up your own 3 examples, where the results are a positive number, a negative number, and zero.

Before you leave, pick a couple of these questions to react to:

- What was the most important concept from today for you?
- What was the muddiest concept today?
- How does what we did today connect with what you've learned before?
- What would you like to review or clarify next time we meet?
- What are you curious, hopeful, or excited about?