Module 2.0

Consider the following code snippet in minitorch.

```
def f(x, y):
    return (x * 3) * y + 10 * x

x, y = Scalar(3), Scalar(4)

# Note we are setting a non-default starting d=3 value
f(x, y).backward(3)

print(x.derivative)
```

Draw a box diagram for this function in your notes. Manually run backpropagation by applying the chain-rule on each box.

1 1 point

How many boxes are created in the computational graph?

Type your answer...

2 1 point

What is the value printed?

Type your answer...

3 1 point

T/F: One of the boxes in the computational graph needed to use save values in its context.

- ○ True
- ○ False