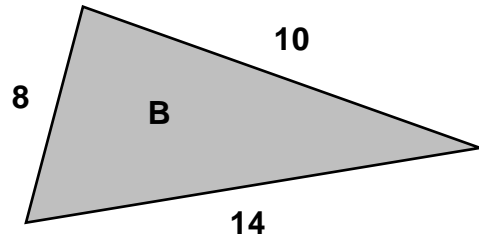
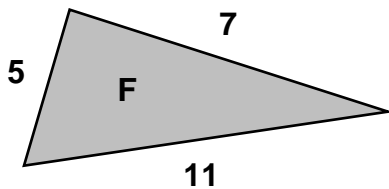


Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Not in my Backyard!

Marshall is drawing a scale model of his yard. He draws his front yard (labelled F) and his back yard (labelled B) and he notices that they are both triangles. The models for his front and back yards are shown below.



Marshall thinks his front and back yards might be similar triangles, so he does some math to figure it out. His work is shown below.

I noticed that each side of the triangle increased by the same amount:

$$5 + 3 = 8$$

$$7 + 3 = 10$$

$$11 + 3 = 14$$

Therefore, the triangles must be similar!

