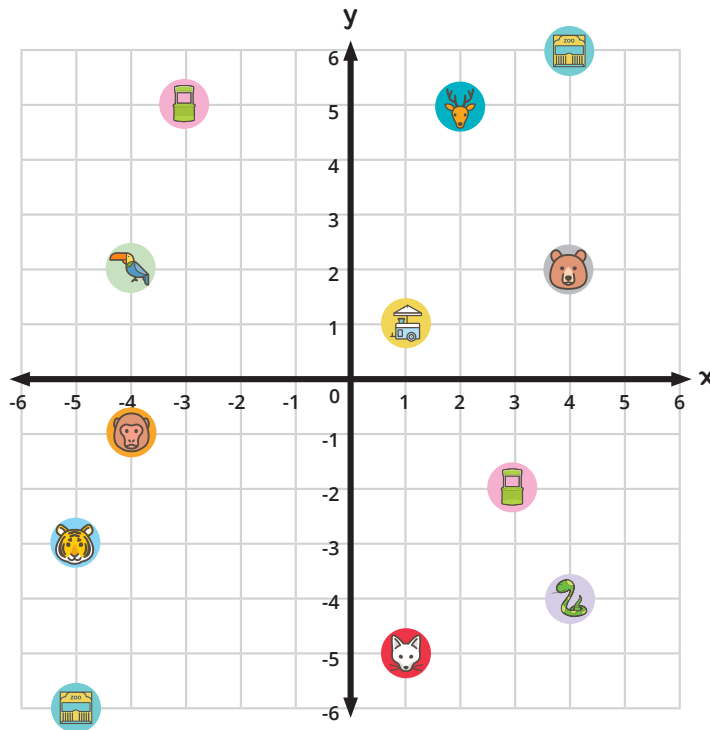


## Zoo to You: Coordinate Plane Problems

Josiah has a new game, Zoo to You, on his tablet. In the game, you can build your own virtual zoo. The coordinate plane below shows a map of the zoo Josiah created.



	Snack Stand
	Entrance
	Information Booth
	Bears
	Big Cats
	Polar Animals
	Birds
	Reptiles
	Monkeys
	North American Mammals

Use the coordinate plane to answer each question.

<p>Where is the snack stand located?</p> <p style="text-align: center;">( <u>1</u> , <u>1</u> )</p>	<p>Where are the reptiles located?</p> <p style="text-align: center;">( <u>4</u> , <u>-4</u> )</p>	<p>Write the ordered pairs for the entrances.</p> <p style="text-align: center;">( <u>4</u> , <u>6</u> ) ( <u>-5</u> , <u>-6</u> )</p>
<p>Which animals are located at (2, 5)?</p> <p style="text-align: center;"><u>North American Mammals</u></p>	<p>Which animals are located at (-4, 2)?</p> <p style="text-align: center;"><u>Birds</u></p>	<p>In which quadrant are the monkeys located?</p> <p style="text-align: center;"><u>III</u></p>
<p>In which two quadrants are the information booths located?</p> <p style="text-align: center;"><u>II</u> and <u>IV</u></p>	<p>What is the distance, in units, between the snack stand and the polar animals?</p> <p style="text-align: center;"><u>6 units</u></p>	

In the game, all animal exhibits must be at least 100 yards from an entrance. If each unit on the coordinate plane represents 50 yards, is the big cats exhibit far enough from the south entrance? Explain.

Yes. The big cats exhibit is 150 yards from the south entrance, which is greater than 100 yards.