**10. Reflect Trapezoid MNOP over the x-axis.**



 **M N**

 **P O**

**11. Translate Trapezoid MNOP five units down and three units to the left.** 

 **M N**

 **P O**

What are the coordinates of the reflected shape?

What are the coordinates of the translated shape?

**Be ready to explain the effect of translations and reflections on the coordinates of the original shape!**

**What is the difference between the points (0,5) and (5,0)?**

**12. The grid represents the path of a bike trail.**

**Which of the following best represents a point that lies on the bike trail?**

1. (-3, 4)
2. (-2, 5)
3. (0, 2)
4. (2, 0)

**10. Reflect Trapezoid MNOP over the X-axis.**



 **M N**

 **P O**

**11. Translate Trapezoid MNOP five units down and three units to the left.** 

 **M N**

 **P O**

What are the coordinate of the reflected shape?

M (2, 4) N (3, 4) 0 (4, 1) P( 1, 1)

M’(2, -4) N’(3, -4) O’(4, -1) P’(1, -1)

What are the coordinate of the translated shape?

M’(-1, -1) N’(0, -1) O’(1, -4) P’(-2, -4)

**Be ready to explain the effect of translations and reflections on the coordinates of the original shape!**

**What is the difference between the points (0,5) and (5,0)?**



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