$\qquad$
Rhino Bonus ( +1 ) added to your Top Four Quiz Total.
If you stayed the whole class meeting on 3.13.23, you are entitled to this bonus opportunity, due on Pi Day, 3.14.23. Find the exact value of the arc length for your polar spiral on Question 2 of your quiz by using the Fundamental
Theorem of Calculus. You must evaluate $\int_{0}^{14} \sqrt{r^{2}+\left(\frac{d r}{d \theta}\right)^{2}} d \theta$ exactly. Your answer contains a radical.

