

Circles and Ellipses Test Review

Objectives for today

- Prepare for MASTERY on the test today!

If you're
appearing on
television,
do MATH



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Bloomberg spent \$500 million on ads. The U.S. population is 327 million. He could have given each American \$1 million and still have money left over. I feel like a \$1 million check would be life-changing for most people. Yet he wasted it all on ads and STILL LOST.

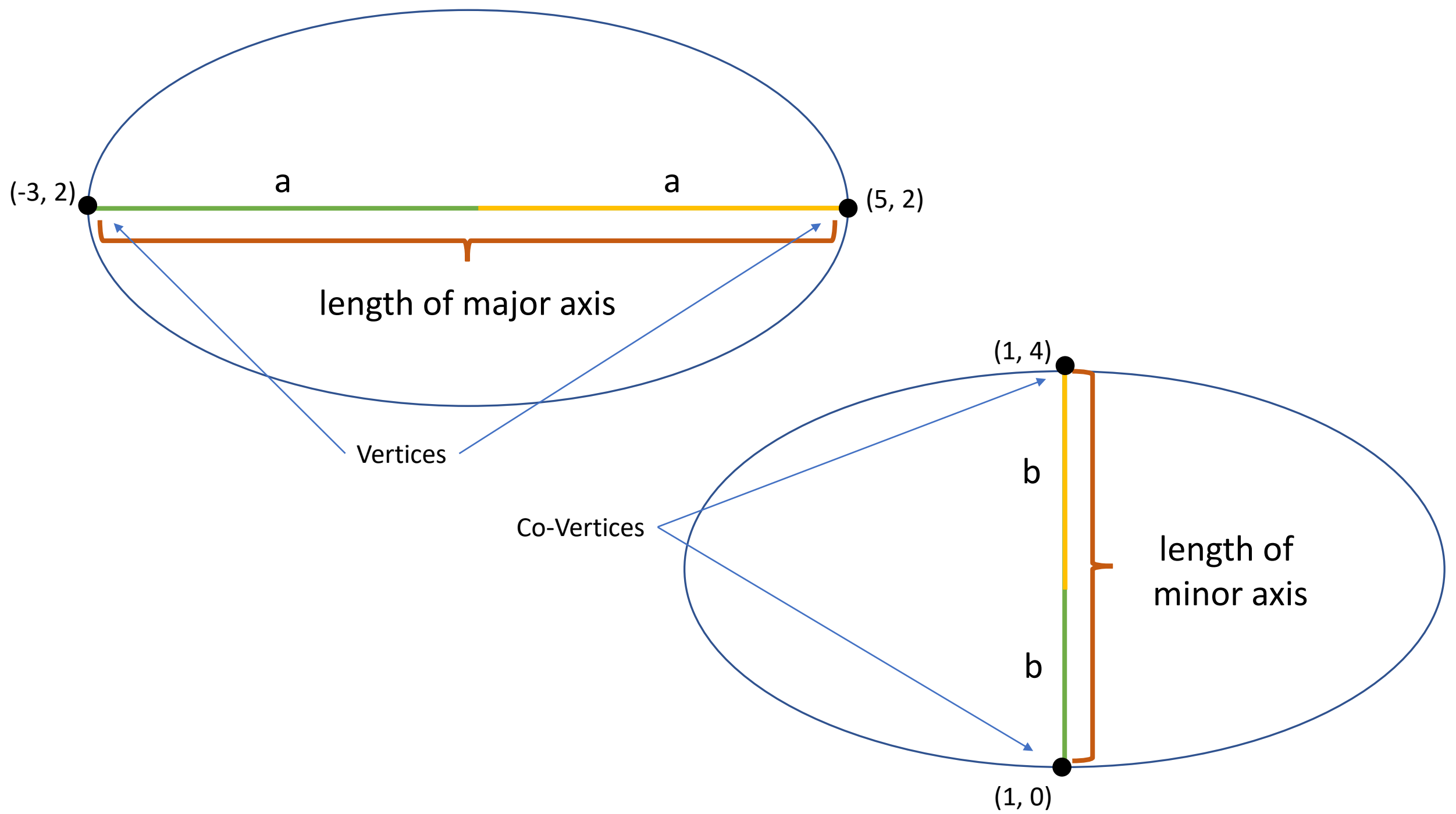
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If you're going on television, do MATH

$$\frac{\$500,000,000}{327,000,000 \text{ people}} = \$1.53 \text{ per person}^*$$

* Not \$1 million

What's Missing Game



“Gotchas” to look out for

1. Figure out what kind of shape/section it is; use the three questions test!
2. If your x^2 and y^2 coefficients are > 1 , take care of it!
 - Circles: divide EVERYTHING
 - Ellipses: factor the x 's and y 's separately
3. Do the $\left(\frac{b}{2}\right)^2$ COMPLETELY, it will help you complete the square
4. Whatever you add to one side, you have to add it to the other!
5. Signs, signs, signs!
 - Flip them when you're putting the center into an equation, or pulling the center out of an equation
 - Keep them as they are when you're completing the square
6. In the vertex form, it's r^2 not r , a^2 not a , and b^2 not b