| Go to  | http://www.mathguide.com/cgi-bin/quizmasters/CSparabolas.cgi and respond accordingly.                                       |
|--------|---|
| Given  | information:  |
| a)     | Explain how you found the vertex of the parabola.   |
| b)     | How did you determine which way the parabola opens?   |
| c)     | Sketch the graph of the parabola to the right.  |
| d)     | Determine the focal length, which is the p-value.   |
| e)     | When this quizmaster was created, it had to write<br>the correct template. Explain how you know the<br>template is correct. |
| f)     | Fill in the equation on the website until you are correct.  |
| Go to  | http://www.mathguide.com/cgi-bin/quizmasters/CSellipses.cgi and respond accordingly.  |
| Equati | on:   |
| a)     | Is your ellipse more horizontally or vertically stretched? Explain.   |
| b)     | What are the lengths of the major axis, semi-major axis, minor axis, and semi-minor axis?                                   |
| c)     | Graph the ellipse to the right.   |
| d)     | Fill in the blanks on the website until you are correct.  |
|        | Go to<br>Given<br>a)<br>b)<br>c)<br>d)<br>e)<br>f)<br>Go to<br>Equati<br>a)<br>b)<br>b)<br>c)<br>d)                         |

| 3) | Go to <u></u>                               | ttp://www.mathguide.com/cgi-bin/quizmasters/CShyperbolas.cgi and respond accordingly.   |
|----|---|---|
|    | Equatio                                     | on:   |
|    | a)  | Is your hyperbola horizontal or vertical? Explain.  |
|    | b)  | Graph the hyperbola to the right.   |
|    | c)  | Fill in the blanks on the website until you are correct.  |
|    | d)  | Explain how the equation of the ellipse and the hyperbola are different.  |
|    | e)  | Determine the equations of the asymptotes.  |
| 4) |   |   |
| •, | Go to <u></u>                               | <pre>ttp://www.mathguide.com/cgi-bin/quizmasters/CScircles.cgi and respond accordingly.</pre>   |
| •, | Go to <u>h</u><br>Equatio                   | <pre>http://www.mathguide.com/cgi-bin/quizmasters/CScircles.cgi and respond accordingly. on:</pre>  |
| ., | Go to <u>F</u><br>Equatio                   | http://www.mathguide.com/cgi-bin/quizmasters/CScircles.cgi and respond accordingly. on: The definition of a circle is (fill in the blank): "The set of all points that are from a point in a plane."  |
| ., | Go to <u>F</u><br>Equatio<br>a)<br>b)       | http://www.mathguide.com/cgi-bin/quizmasters/CScircles.cgi and respond accordingly. on: The definition of a circle is (fill in the blank): "The set of all points that are from a point in a plane." Sketch the circle to the right.  |
| •, | Go to <u>b</u><br>Equatio<br>a)<br>b)<br>c) | http://www.mathguide.com/cgi-bin/quizmasters/CScircles.cgi and respond accordingly. on: The definition of a circle is (fill in the blank): "The set of all points that are from a point in a plane." Sketch the circle to the right. Fill in the blanks on the website until you are correct. |