Math 4 **/13 points** Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**1-3 and 1-4 Learn Check No Calculator**

Use the parametric equations below to answer questions 1 & 2.



1. Use the table below to help you sketch a graph of the parametric equations over the interval 

|  |  |  |
| --- | --- | --- |
| *t* | *x*(*t*) | *y*(*t*) |
|  |  |  |

1. Convert the equations above to rectangular form by eliminating the parameter. Completely simplify.

3. Give a short explanation as to why some relationships are better to look at as parametric equations.

For Numbers 4-6, use chunking to solve the equations.

4. 5. 



6. 

Solve for x.

7.  8. 