Using Preloaded Image01 (Bridge)

1. Press 2nd FORMAT. Select Image 1 with Gridline

2. Press Zoom4: ZoomDecimal

3. Explore:

- Use Graph Styles to create a horizontal line representing a train crossing the bridge.

| Color <br> Line <br> LinRINGE <br> 0 <br> OK CLEAR |
| :---: | :---: |

- Create the graph of a line with increasing slope representing a boat down the river.
- Consider using the piecewise math template to restrict the domain.
- Use parametric mode to control the path of the boat.
- Decorate the bridge. Use the QuickPlot and FitEQ equation to create a parabola.

Then use the 2nd DRAW 7:Shade command to shade above the parabola and below the top of the bridge.

| Mormal float auto real radian mp | MORMAL FLOAT AUTO REAL RADIAN MP \} |
| :---: | :---: |
| DRAW POINTS STO BACKGROUND | CATALOG HELP |
| 1:ClrDraw | Shade( ${ }^{\text {- }}$ |
| 2:Line( |  |
| 4:Vertical | [,Xleft,Xright,patter |
| 5: Tangent ( | , patres, color\#]) |
| 6: DrawF |  |
| 7:Shade( |  |
| 8:DrawInv | 4 |
| $9 \downarrow$ Circle( | PPASTE ESC |

Need help with syntax? Highlight the command and press the + key for built-in Catalog help.

