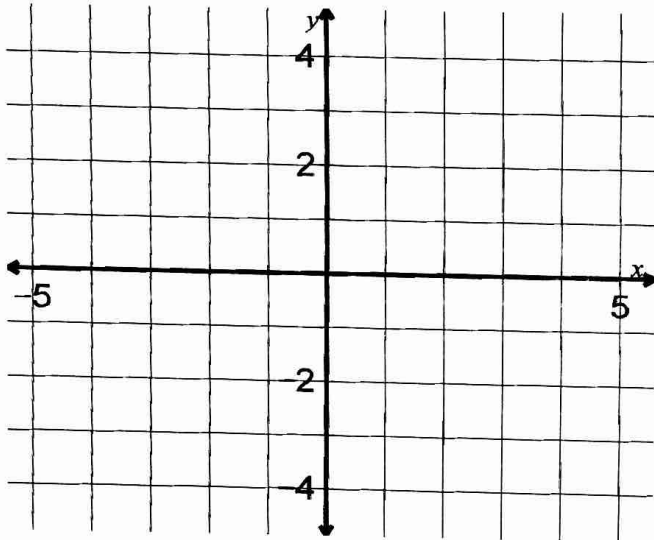


Step 1: Complete the table.

| | | | | | | | | | | | | | | | |
|---------------------|----|----|----|----|----------------|----------------|----------------|---|---------------|---------------|---------------|---|---|---|---|
| x | -4 | -3 | -2 | -1 | $-\frac{1}{2}$ | $-\frac{1}{3}$ | $-\frac{1}{4}$ | 0 | $\frac{1}{4}$ | $\frac{1}{3}$ | $\frac{1}{2}$ | 1 | 2 | 3 | 4 |
| $y = \frac{1}{x^2}$ | | | | | | | | | | | | | | | |

Step 2: Plot the points from the table on the graph.



Step 3:
List at least three interesting features of the graph.

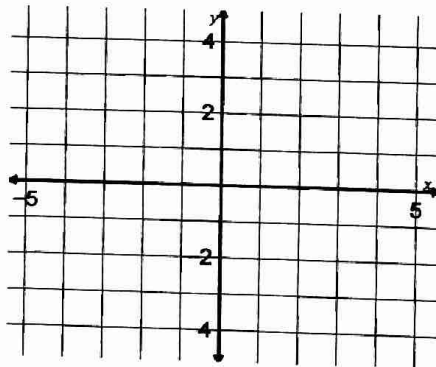
Summary

| | | | | | |
|-----------------|--|---|---|--|--|
| Parent Equation | | | | | |
| Asymptotes | | | | | |
| Domain | | | | | |
| Range | | | | | |
| Key Points | <table border="1" style="width: 100%; text-align: center;"> <tr> <td style="width: 50%;">x</td> <td style="width: 50%;">y</td> </tr> <tr> <td> </td> <td> </td> </tr> </table> | x | y | | |
| x | y | | | | |
| | | | | | |
| Graph | | | | | |

Examples

1. List the asymptotes, state the domain and range, and sketch the graph of $y = \frac{1}{(x+2)^2} + 3$.

Asymptotes:



Domain:

Range:

2. Write the equation for the function graphed.

