Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Solving Equations Review 8-16-17 Hour 1 2 3 4 5 6 7

Solve each of the following equations GIVE EXACT ANSWER and DO NOT USE A CALCULATOR

|  |  |  |
| --- | --- | --- |
| Equation 1 | Equation 2 | Equation 3 |
|  |  |  |
| Exact Solution | Exact Solution | Exact Solution |

Match the system to the equation using Equation 1:  Equation 2:  Equation 3: 

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| System I | | System II | | System III | |
|  | |  | |  | |
| This system is really equation \_\_\_\_\_\_ | | This system is really equation \_\_\_\_\_\_ | | This system is really equation \_\_\_\_\_\_ | |
| Which points are x intercepts? | Which points are y intercepts? | | Which lines are vertical asymptotes? | | Which lines are horizontal asymptotes? |
| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | A | B | C | D | E | F | G | H | I | | |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | A | B | C | D | E | F | G | H | I | | | |  |  |  | | --- | --- | --- | | Line 1 | Line 2 | Line 3 | | | |  |  |  | | --- | --- | --- | | Line 1 | Line 2 | Line 3 | |
| Which points are solutions to the related systems? | Which points give a domain and range restriction? | | Which functions have domain restrictions? | | Which functions have range restrictions? |
| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | A | B | C | D | E | F | G | H | I | | |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | A | B | C | D | E | F | G | H | I | | | |  | | --- | |  | |  | | | |  | | --- | |  | |  | |
| State the domain and range of | | State the domain and range of | | State the domain and range of | |
| Domain \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Range \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | Domain \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Range \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | Domain \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Range \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |