Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_

Functions Sudoku

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|  | R | S | T | U | V | W | X | Y | Z |
| A | 2 |  |  |  | 4 | 1 | 6 | 5 |  |
| B |  |  |  | 9 | 6 | 3 |  | 1 |  |
| C |  | 1 |  |  |  |  |  | 9 |  |
| D |  |  |  |  |  |  |  | 8 | 4 |
| E | 9 | 4 |  |  |  |  |  | 7 | 6 |
| F | 8 | 6 |  |  |  |  |  |  |  |
| G |  | 2 |  |  |  |  |  | 4 |  |
| H |  | 7 |  | 4 | 5 | 6 |  |  |  |
| I |  | 8 | 1 | 7 | 9 |  |  |  | 3 |

 | [image] |
| AY | $$f(-3)$$ | DZ | $$f\left(x\right)=3$$ |
| BY | $$f(-8)$$ | EY | $$f(7)$$ |
| CY | $$f(-2)$$ | EZ | $$f\left(x\right)=9$$ |
| DY | $$f\left(-1\right)$$ |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| AR | $f\left(x\right)=5-3x$, what is $f\left(1\right)?$ | AV | If $f\left(x\right)=4x^{2}-6$ and $g\left(x\right)=-4x^{2}+6$, find $4+(f+g)(4)$. | AX | If $f\left(6\right)=5$, what is the x-coordinate when written as an ordered pair? |
| CS | If $g\left(x\right)=5^{x-3}$, find $g(3)$. | AW | If $g\left(8\right)=1$, what is the y-coordinate when written as an ordered pair? | GY | If $f\left(x\right)=2x^{2}-3x$ find $\frac{1}{5}f(-2.5)$. |
| ER | Given $f\left(3\right)=9$, what is the y-value of the coordinate? | BU | If $b\left(x\right)=\frac{3}{5}x+12$, find $b(-5)$. | IZ | Find $f(2)$ when given $w\left(x\right)=-x^{2}+4x-1$,  |
| ES | If $g\left(x\right)=5\left|3x-2\right|+4$, find $g\left(\frac{2}{3}\right)$. | BV | If $g\left(x\right)=5x^{2}-4x+3$ and $h\left(x\right)=2x-7$, find $\frac{1}{3}\left(g-h\right)(2)$. | IU | Given $m\left(7\right)=3$ what does x equal? |
| FR | If $h\left(x\right)=\sqrt{2x+4}$, find $h(30)$. | BW | If $f\left(x\right)=\frac{1}{3}x^{2}$, find $16f\left(\frac{3}{4}\right)$. | IV | $f\left(x\right)=4x^{2}$, find $f\left(\frac{3}{2}\right)$. |
| FS | Solve for $a$ if $h\left(3\right)=8$ and $h\left(x\right)=3x^{2}-ax-1$. | HU | For what values are $f\left(x\right)=2x+9$ and $g\left(x\right)=x+13$ equivalent? | IS | $m\left(x\right)=13$, solve for $x$ if $m\left(x\right)=2x-3$ |
| GS | If $f\left(x\right)=\frac{2x-1}{3}$, find $6f(1)$. | HV | $$7\left(a-3\right)=-2(a-12)$$ | IT | $g\left(x\right)=\frac{x-4}{5}$, $g\left(9\right)=$? |
| HS | If $f\left(x\right)=6x+4$ and $g\left(x\right)=-7x-8$, find $-(f+g)(3)$. | HW | For what values are $h\left(x\right)=x+6$ and$j\left(x\right)=3x-x$ equivalent? |  |  |