

**Evaluating Functions - Matching Worksheet**

Match the word problems to their answers. Write the letter of the answer that matches the problem.

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|-------|--|----|----------|
| _____ | 1. Use the following function rule to find $f(39)$ .<br>$f(x) = 15 - \frac{x}{13}$               | a. | 6        |
| _____ | 2. Use the following function rule to find $f(48)$ .<br>$f(x) = 9 - \frac{x}{12}$                | b. | 24579    |
| _____ | 3. Use the following function rule to find $f(50)$ .<br>$f(x) = 11 - \frac{x}{10}$               | c. | 12       |
| _____ | 4. Use the following function rule to find $f(r + 8)$ . Simplify your answer.<br>$f(n) = n + 12$ | d. | 1029     |
| _____ | 5. Use the following function rule to find $f(r + 1)$ . Simplify your answer.<br>$f(n) = n + 10$ | e. | 156261   |
| _____ | 6. Use the following function rule to find $f(r + 22)$ . Simplify your answer.<br>$f(n) = n + 8$ | f. | 5        |
| _____ | 7. Use the following function rule to find $f(6)$ .<br>$f(x) = 6(4)^x + 3$                       | g. | $r + 11$ |
| _____ | 8. Use the following function rule to find $f(7)$ .<br>$f(x) = 8(2)^x + 5$                       | h. | $r + 20$ |
| _____ | 9. Use the following function rule to find $f(6)$ .<br>$f(x) = 10(5)^x + 11$                     | i. | $r + 30$ |

