

Name: _____

Date: _____

$f(x)$ is the OUTPUT when the input is x . $f(3)$ means 'plug in 3.' Last two are challenge problems!

1. $f(x) = x + 4$. Find $f(3)$.

show your work

2. $f(x) = 2x$. Find $f(5)$.

show your work

3. $g(x) = 3x - 1$. Find $g(4)$.

show your work

4. $f(x) = x^2$. Find $f(-4)$.

show your work

5. $h(x) = 2x + 7$. Find $h(0)$.

show your work

6. $f(x) = x^2 - 3x$. Find $f(5)$.

show your work

7. $g(x) = -2x + 9$. Find $g(-3)$.

show your work

8. $f(x) = 4x - 2$. If $f(x) = 18$, find x .

show your work

9. $f(x) = x^2 + 2x - 1$. Find $f(-3) - f(1)$. ★ CHALLENGE

show your work

10. $f(x) = 3x + 1$ and $g(x) = x^2$. Find $f(g(2))$. ★ CHALLENGE

show your work