

Functions: Lesson 3

Function Notation: Notes

Name: _____



$y = 4x + 3 \longrightarrow \underline{\hspace{2cm}} = 4x + 3$
↙
 Say "_____ of _____"

$C = 2\pi r \longrightarrow \underline{\hspace{2cm}} = 2\pi r$

$\underline{\hspace{2cm}} = -16t^2 + 6t + 2$

Evaluate $4x + 3$ when $x = 1$.

$4(\underline{\hspace{1cm}}) + 3 = \underline{\hspace{2cm}}$

$f(x) = 4x + 3 \quad f(1) = ? \quad f(1) = 4x + 3 = \underline{\hspace{2cm}}$

$g(x) = x^2 - 3x + 2 \quad g(-2) = ?$
 $\underline{\hspace{1cm}} - 3 \underline{\hspace{1cm}} + 2$
 $\underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = 12$
 $(-2)^2 = \underline{\hspace{1cm}} \cdot \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

$f(x) = -x^2 - 3x + 2 \quad f(-2) = ?$
 $\underline{\hspace{1cm}} - 3(-2) + 2$
 $\underline{\hspace{1cm}} + 6 + 2 = \underline{\hspace{1cm}}$

$h(x) = -3|x + 7| - 2 \quad h(-10) = ?$
 $h(-10) = -3|\underline{\hspace{1cm}} + 7| - 2$
 $-3|\underline{\hspace{1cm}}| - 2$
 $-3 \cdot \underline{\hspace{1cm}} - 2$
 $\underline{\hspace{1cm}} - 2 = \underline{\hspace{1cm}}$