

Math 115E Activity 4V1

Chapter 3 Section 1 Introduction to function notation

$(a + b)^2$ _____ _____	$9^2 - 9^2x$ _____ _____	$f(x) = x + x^2$ $f(x + 1)$ _____ _____	$(-3x)(-2x)(x)$ _____ _____	$3x^2 + x^2$ _____ _____
$4^3 \div 4^2$ _____ _____	$f(x) = 2x^3 + 3x^2$ $f(3) = ?$ _____ _____	$-x - (-2x)$ _____ _____	$f(x) = x^2 - (-x)^2$ $f(5) = ?$ _____ _____	$2x \cdot 2x \cdot x^2$ _____ _____
$f(x) = 2x, f(2) = ?$ _____ _____	$x + x + y + y^2$ _____ _____	$(x^2)^3$ _____ _____	$(a - b)^2$ _____ _____	$(1/2)^2$ _____ _____
$2 \cdot 3^3$ _____ _____	$(-2)(-5)^2$ _____ _____	$50x + 60x - 20x$ _____ _____	$(2x^2 + 1)(3x - 2)$ _____ _____	$(x + y) + (2x - y)$ _____ _____
$x \cdot x + x$ _____ _____	$-(-x)^2$ _____ _____	$(x + y) \cdot 2^2$ _____ _____	$x^2 \cdot x^3$ _____ _____	$-10x - 20x$ _____ _____

Math 115E Activity 4V2

Chapter 3 Section 1 Introduction to function notation

$4x - 6x + 15x$ <hr/> <hr/>	$(4^2 + 2^2)x$ <hr/> <hr/>	$f(x) = x^2 + 2x^1 + x^2$ $f(x+1) = ?$ <hr/> <hr/>	$(a-b)(a+b)$ <hr/> <hr/>	$(3y+2x)(2x-3)$ <hr/> <hr/>
$x(2x+1)^2$ <hr/> <hr/>	$(x^2)^4$ <hr/> <hr/>	$(-x)^4 \cdot (-x)^2$ <hr/> <hr/>	$f(x) = 6x + 3$ $f(3) = ?$ <hr/> <hr/>	$-(-x^2)^2$ <hr/> <hr/>
$-4x^2 + (-2x)^2$ <hr/> <hr/>	$x^2 \cdot x \cdot x$ <hr/> <hr/>	$2x(3x^2 + 2x + 1)$ <hr/> <hr/>	$f(x) = 2x^2 + 2$ $f(2x) = ?$ <hr/> <hr/>	$(-3)(-x)(-1)$ <hr/> <hr/>
$6^2 \div 6$ <hr/> <hr/>	$(x-y) - 2(y+x)$ <hr/> <hr/>	$10x + 50x - 30x$ <hr/> <hr/>	$(2x^2 + 1)(3x - 2)$ <hr/> <hr/>	$(x+y) + (2x-y)$ <hr/> <hr/>
$4x^2 - x^2 + 3x^2$ <hr/> <hr/>	$-(-x)^3$ <hr/> <hr/>	$(x-y)2x$ <hr/> <hr/>	$2 + x - 10 + 5x$ <hr/> <hr/>	$1 - (-1)^3$ <hr/> <hr/>