

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

$4x - 6x + 15x$ _____	$(4^2 + 2^2)x$ _____	$f(x) = x^2 + 2x^1 + x^2$ $f(x+1) = ?$ _____	$(a-b)(a+b)$ _____	$(3y + 2x)(2x - 3)$ _____
$x(2x + 1)^2$ _____	$(x^2)^4$ _____	$(-x)^4 \cdot (-x)^2$ _____	$f(x) = 6x + 3$ $f(3) = ?$ _____	$-(-x^2)^2$ _____
$-4x^2 + (-2x)^2$ _____	$x^2 \cdot x \cdot x$ _____	$2x(3x^2 + 2x + 1)$ _____	$f(x) = 2x^2 + 2$ $f(2x) = ?$ _____	$(-3)(-x)(-1)$ _____
$6^2 \div 6$ _____	$(x-y) - 2(y+x)$ _____	$10x + 50x - 30x$ _____	$(2x^2 + 1)(3x - 2)$ _____	$(x+y) + (2x-y)$ _____
$4x^2 - x^2 + 3x^2$ _____	$-(-x)^3$ _____	$(x-y)\dot{2}x$ _____	$2 + x - 10 + 5x$ _____	$1 - (-1)^3$ _____