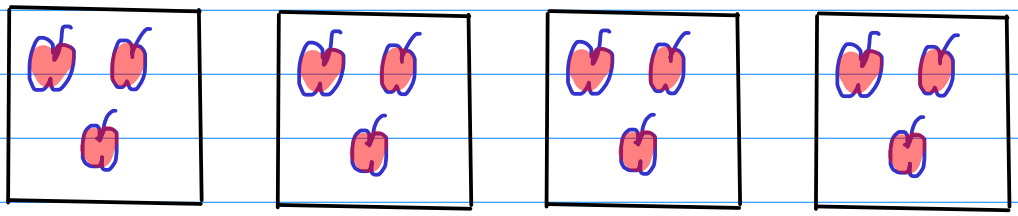
Multiplying Terms

2014-01-24



$4(3a)$

$= 12a$

Simplify:

$(3x)(2)$

$= 6x$

Simplify $(4x)(3x)$

$= 12(x)(x)$

$= 12x^2$

Simplify $(3a)(5c)$

$= 15(a)(c)$

$= 15ac$

Simplify $(2x^2y)(6y^2x^3)$

$= 12(x^2)(y)(y^2)(x^3)$

$= 12(x)(x)(y)(y)(y)(x)(x)(x)$

$= 12x^5y^3$

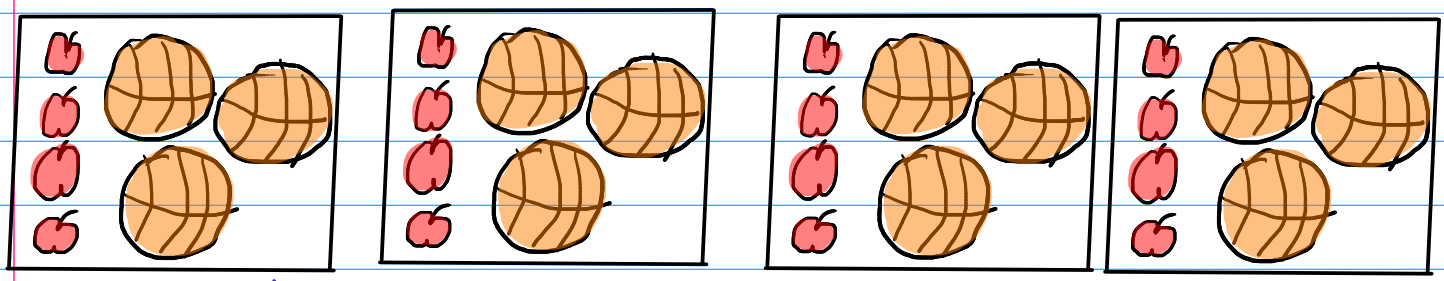
$x^2 = (x)(x)$

$x^3 = (x)(x)(x)$

Ex 9.3 p 150 Q 1 (odds)
Q 2 (evens)
Q 4 (all)

Homework Activity 9.5 p 70

2014-01-28



$4(4a + 3b)$

$= 4(4a) + 4(3b)$

$= 16a + 12b$

Ex 9.4 p152 Q 1, 3, 5

Activity 9.6, 9.7 p 71 (Homework, workbook)

Ex 9.4 p152 Q 8 (odds)
Q 9 (evens)

8 (i) $4(2x + y - 3) + 3(x + y - 2)$

$= 8x + 4y - 12 + 3x + 3y - 6$

$= 11x + 7y - 18$

9 (vii) $-2(4c^2+1) - 3(2c^2+2c)$

$= -8c^2 - 2 \quad 6c^2$

2014-01-30

$3(x+4)$

$= 3(x) + 3(4)$

$= 3x + 12$

$2a(a+1)$

$= 2a(a) + 2a(1)$

$= 2a^2 + 2a$

$a^2(a-3)$

$= a^2(a) + a^2(-3)$

$= a^3 - 3a^2$

Ex 9.5 p153 Q1 (odds)
Q2 (evens)

2014-02-04

Simplify $(x+1)(x+7)$

Ex 9.6

$= a(x+7)$

$= a(x) + a(7)$

$= (x+1)(x) + (x+1)(7)$

$= (x)(x) + (1)(x) + (x)(7) + (1)(7)$

$= x^2 + x + 7x + 7$

$= x^2 + 8x + 7$

Ex 9.6
Q 1, 2 p155

$(x+1)(x+7)$

	x	1
x	$+x^2$	$+x$
7	$+7x$	$+7$

$= x^2 + x + 7x + 7$

2014-02-05

•	x	+	1
x	x^2		x
+			
3	$3x$		3

$(x+1)(x+3)$

$= x^2 + x + 3x + 3$

$= x^2 + 4x + 3$

Mult	x	-2
x	x^2	$-2x$
$+2$	$+2x$	-4

$(x-2)(x+2)$

$= x^2 - 2x + 2x - 4$

$= x^2 - 4$

Ex 9.6 p 155 Q 3, 4

Homework Activity 9.8 p 72 (workbook)