

Expand each. Write your answer in Standard Form.

1. $(g + 3)(g - 2)$

$$g^2 + g - 6$$

2. $(k - 6)(k - 5)$

$$k^2 - 11k + 30$$

When the coefficient of each variable is 1

$$(B + 10)(B - 5)$$

Constant

Constant

Leading
Coefficient
is always 1

$$\longrightarrow B^2 + 5B - 50$$

This is always the
sum of the constants.

This always the
product of the constants.

Find each product. Write answer in Standard Form.

1. $(Q - 9)(Q - 5)$

$$Q^2 - 14Q + 45$$

2. $(J + 4)(-7 + J)$

$$J^2 - 3J - 28$$

Expand. Write the answer in Standard Form.

$$(2m + 3)(4m^2 - 10m + 5)$$

$$8m^3 - 20m^2 + 10m + 12m^2 - 30m + 15$$

Expand each.

1. $(4c^2 - 5)(2c^2 + 3c)$

$$8c^4 + 12c^3 - 10c^2 - 15c$$

2. $(6a + 5b)(2a - 7b)$

$$12a^2 - 32ab - 35b^2$$

Hwk #27

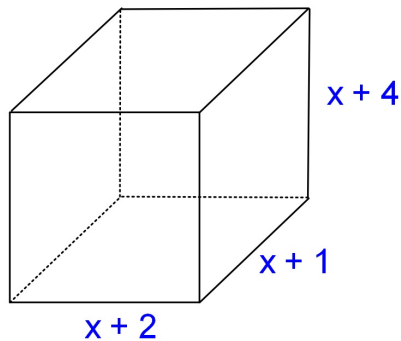
Sec 9-3

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Problems 13-16, 31, 34, 35, 36
(use any method to expand)

Find the volume of this figure by using the formula:

$$V = (\ell)(w)(h)$$



$$(x+2)(x+1)(x+4)$$

$$(x^2 + 3x + 2)(x+4)$$

$$= x^3 + 7x^2 + 14x + 8$$