

(C1-1.1a) Name:

Homework Questions 1 – Simplifying Like Terms

Simplify the following like terms

a) $5x + 3x$

$$8x$$

b) $3x - 2x + 6x$

$$7x$$

c) $6y + 2x + 3y - x$

$$9y + x$$

d) $3x + 2x^2 + 7x + 9x^2 - x$

$$11x^2 + 9x$$

e) $3x + 4x - 2x$

$$5x$$

f) $5y + 4x - 2x + 3y$

$$2x + 8y$$

g) $2x^2 - 3xy - 4xy + 5x^2$

$$7x^2 - 2xy$$

h) $2ac + 3ac^2 + 4ac^2$

$$7ac^2 + 2ac$$

i) $4(4xy - 3x + xy)$

$$20xy - 12x$$

j) $2(12xy^2 - 3xy) - (xy^2 + 2xy)$

$$23xy^2 - 8xy$$