1) a) Substitute the values given for each shape to work out the values of each expression.

△ = 3   ☐ = 5   ◯ = 8

i) ◯ + ☐ + △

_____

ii) △ − ◯

_____

b) Draw the missing shape so that this expression has a value of 21.

◯ + ☐ + _____

2) a) Use substitution to work out the values of these expressions.

$a = 6$ $b = 2.5$ $c = 12$

$b + 9$

_____

$c - b$

_____

ac

_____

$a + c + b$

_____

$b - 3$

_____

b) Give the missing value so that the following expression has a value of 6. $c -$ _____

3) Use substitution to work out the values of these expressions.

$c = 0.5$ $f = 3$ $z = 1.25$

$3f + z$

_____

$10c + f$

_____

$4z - f$

_____

$c + z + 0.25$

_____

$cf + zf$

_____