

Quick Wits – Higher 9

C/B

Expand and simplify the following expressions.

a) $3(x + 5) - 2(4x - 7)$

b) $(x + 8)(x + 2)$

c) $(3x - 5)(7x - 2)$

d) $(x - 6)^2$

C/B

Evaluate

a) 7^{-2}

b) 2^4

c) 5^0

B

Curry's have a 12% sale on household appliances. A washing machine originally cost £340. What is the new price?

A

Complete the Frequency Density table.
Table to show height of year 7 students

Height (cm)	frequency	Frequency Density
$100 < h \leq 110$	56	
$110 < h \leq 130$		7.1
$130 < h \leq 145$	54	

A/A*

y is inversely proportional to the square of x .
When $x = 3$, $y = 2$

a) Find an equation connecting x and y .

b) Find the value of y when $x = 6$