(15a) Inequalities

Name

Fill in the blanks with either a >, < or =

A taxi costs £3 per mile and a £10 fixed charge for each journey.
The Cost is C and the Number of Miles is M.
(1) Write a formula to find the cost of a taxi journey.
(2) Work out the cost of a 4 mile journey (3) Find out how many miles a journey was if the charge was £40

Paul cleans windows. He charges a fixed call out fee of £5 and each window he cleans costs £2. Using ‘C’ to represent the cost and ‘W’ for the number of windows
(1) Write a formula for the cost of having ‘W’ windows cleaned (ii) Find the cost of having 5 windows cleaned (iii) Find the number of windows cleaned if the bill was £37

List 3 integers that satisfy the following inequalities:

-2 ≤ x < 4
-5 < x < 1
8 ≤ x ≤ 10

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(15b) Formulae

a = 2, b = 3 and c = 1

Find (1) 2a (2) 3b – c (3) b² – 2a

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