Fred runs a taxi company. He charges a fixed rate of £10 and then £3 per mile. (a) Write a formula for work of the cost using c for the cost and m for miles. (b) Find the cost of using the pitch for 3 hours. (c) Find the number of hours the pitch was used for if the bill was £27.

Given \( p = 3 \), \( q = 10 \) and \( r = -5 \), find:

(i) \( p^3 \)
(ii) \( 3r + 10 \)
(iii) \( \frac{1}{2}(q+2p) \)
(iv) \( r^n \)

Villa A costs £200 a week to rent plus £50 for each person who stays. Villa B costs £450 a week regardless of the number of people who stay. (a) Find the cost for 3 people to stay at Villa A for 2 weeks. (b) Find the maximum number of people who could stay at Villa A for one week before Villa B was cheaper overall.

Given \( h = 1.2 \), \( j = 0.6 \) and \( k = 3.7 \) find WITHOUT A CALCULATOR:

(i) \( 3h \)
(ii) \( j^2 \)
(iii) \( k - j + h \)

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