

5. (a) Solve

(i)  $\frac{2a}{3} + 3 = 27$

Answer:  $a = \dots\dots\dots$  (2)

(ii)  $3.5b + 12 = 2b + 19.5$

Answer:  $b = \dots\dots\dots$  (2)

(b) Solve

(i)  $3(p - 1) \leq 3 + p$

Answer:  $\dots\dots\dots$  (2)

(ii)  $3p < 4 + 5p$

Answer:  $\dots\dots\dots$  (2)

(iii) Write down the integers that satisfy both the inequalities in parts (b)(i) and (b)(ii).

Answer:  $\dots\dots\dots$  (1)