

6.4.3 Solutions to 6.3 Homework

GCSE Mathematics Functions I

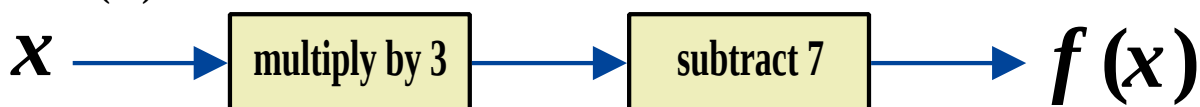
Answer 1

- | | | | | |
|-----|-------|----------|------|-------------------|
| (a) | (i) | $8x + 9$ | (ii) | $\frac{x - 9}{8}$ |
| (b) | (i) | 49 | (ii) | 3 |
| | (iii) | 13 | (iv) | -1 |

[6 marks]

Answer 2

(a)



- | | | |
|-----|-------------------|----|
| (b) | $\frac{x + 7}{3}$ | |
| (c) | (i) | 29 |
| | (iii) | -4 |
| | (ii) | 6 |
| | (iv) | 12 |

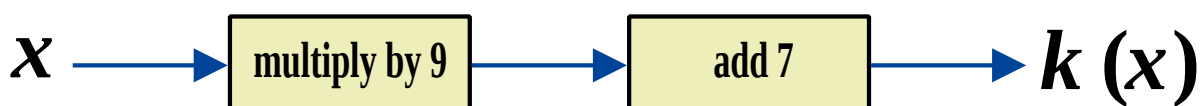
[6 marks]

Answer 3

- | | | | | |
|-----|-------|-------------------|------|----------|
| (a) | (i) | $\frac{x - 8}{3}$ | (ii) | $3x + 8$ |
| (b) | (i) | 5 | (ii) | 35 |
| | (iii) | 11 | (iv) | 2 |

[6 marks]

Answer 4



$$k^{-1}(x) = \frac{x - 7}{9}$$

[3 marks]