1   Factorise $x^2 + 7x + 10$

[2 marks]

$(x+a)(x+b)$ ①, where $a+b = 7$, $a \times b = 10$

$(x+5)(x+2)$ ①

Answer $(x+5)(x+2)$

2   Factorise fully $50x + 100$

[2 marks]

$$50(x+2)$$

Answer $50(x+2)$ ②

3 (a)   Factorise $21x + 28$ $(\div 7)$

[1 mark]

$7(3x + 4)$

Answer $7(3x+4)$ ①

4 Factorise $12a + 15b$

[1 mark]

$3(4a + 5b)$ ①

Answer $\quad 3(4a + 5b)$

$3(4a + 5b)$ ①

5 (a) Factorise $x^2 + 8x + 15$

[2 marks]

$(x+3)(x+5)$

Answer $\underline{\quad (x+3)(x+5) \quad}$ ②

5 (b) Write down the **two** solutions of $(y+2)(y-4) = 0$

[1 mark]

Answer $\underline{\quad -2 \quad and \quad 4 \quad}$

①