1) $(x+1)(x+5) = \mathbf{x^2 + 5x + x + 5 = x^2 + 6x + 5}$

2) $(a+6)(a+3) = a^2 + 3a + 6a + 18 = a^2 + 9a + 18$

3) $(x+2)(x+3) = x^2 + 3x + 2x + 6 = x^2 + 5x + 6$

4) $(a+b)(c+d) = ac + ad + bc + bd$

5) $(p+5)(p+q) = p^2 + pq + 5p + 5q$

6) $(2x+1)(3x+5) = \mathbf{6x^2 + 10x + 3x + 5 = 6x^2 + 13x + 5}$

7) $(5a+p)(a+3) = 5a^2 + 15a + ap + 3p$

8) $(7t+6)(5t+8) = 35t^2 + 56t + 30t + 48 = 35t^2 + 86t + 48$

9) $(2a+3)(3a+4) = 6a^2 + 8a + 9a + 12 = 6a^2 + 17a + 12$

10) $(11x+3)(9x+2) = 99x^2 + 22x + 27x + 6 = 99x^2 + 49x + 6$

11) $(\frac{1}{2}x+1)(6x+5) = \mathbf{3x^2 + \frac{5}{2}x + 6x + 5 = 3x^2 + 8\frac{1}{2}x + 5}$ (of : $3x^2 + 8,5x + 5$)

12) $(5a+\frac{1}{3}p)(a+3) = 5a^2 + 15a + \frac{1}{3}ap + p$

13) $(7t+\frac{1}{10})(\frac{1}{5}t+8) = \frac{7}{5}t^2 + 56t + \frac{1}{50}t + \frac{8}{10} = 1\frac{2}{5}t^2 + 56\frac{1}{50}t + \frac{4}{5}$

14) $(\frac{1}{2}a+\frac{2}{5})(3a+4) = \frac{3}{2}a^2 + 2a + \frac{6}{5}a + \frac{8}{5} = 1\frac{1}{2}a^2 + 3\frac{1}{5}a + 1\frac{3}{5}$

15) $(10x+30)(90x+20) = 900x^2 + 200x + 2700x + 600 = 900x^2 + 2900x + 600$

