因数分解パズル

問. 次の□に適当な自然数を入れて，縦にも横にも因数分解できるようにせよ。

(1)

$$x^2+6x-\square=(x-\square)(x+\square)$$
$$x^2+\square x+6=(x+\square)(x+\square)$$
$$\| \qquad\qquad \|$$
$$(x+\square)(x+\square) \qquad (x+\square)(x+\square)$$

(2)

$$x^2+5x-\square=(x-\square)(x+\square)$$
$$x^2-6x+\square=(x+\square)(x+\square)$$
$$\| \qquad\qquad \|$$
$$(x-\square)(x+\square) \qquad (x-1)(x-\square)$$

(3)

$$x^2-\square x+15=(x-\square)(x-\square)$$
$$x^2-\square x+14=(x-\square)(x-\square)$$
$$\| \qquad\qquad \|$$
$$(x-\square)(x+\square) \qquad (x-\square)(x-\square)$$

(4)

$$x^2+\square x+9=(x+\square)(x+\square)$$
$$x^2-11x+\square=(x-\square)(x-\square)$$
$$\| \qquad\qquad \|$$
$$(x-\square)(x+\square) \qquad (x+\square)(x+\square)$$

(5)

$$x^2+\square x-\square=(x-\square)(x+\square)$$
$$x^2+2x-24=(x-\square)(x+\square)$$
$$\| \qquad\qquad \|$$
$$(x+\square)(x+\square) \qquad (x+\square)(x+\square)$$

(6)

$$x^2-7x-18=(x+\square)(x-\square)$$
$$x^2+\square x+\square=(x+\square)(x+\square)$$
$$\| \qquad\qquad \|$$
$$(x+\square)(x+\square) \qquad (x+\square)(x+\square)$$