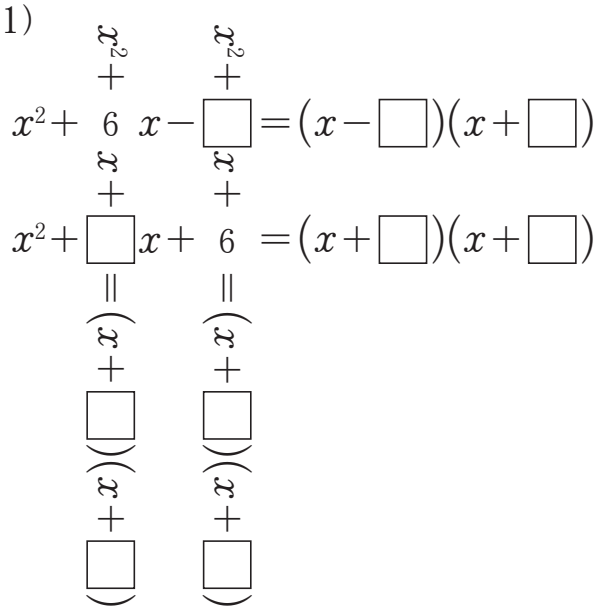
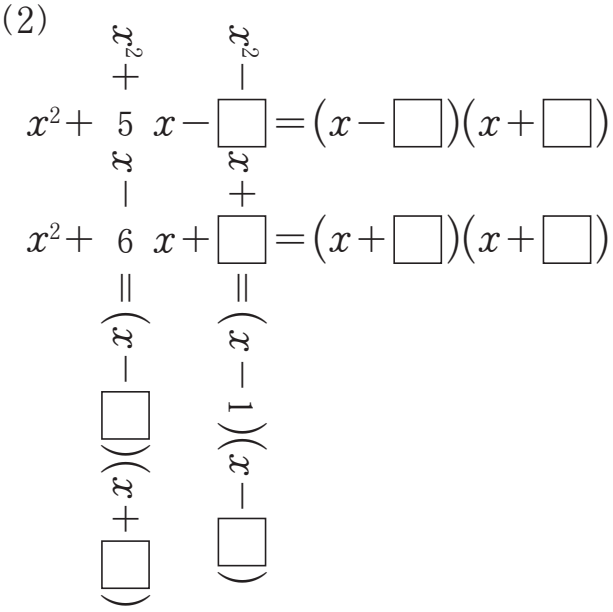
因数分解パズル

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。

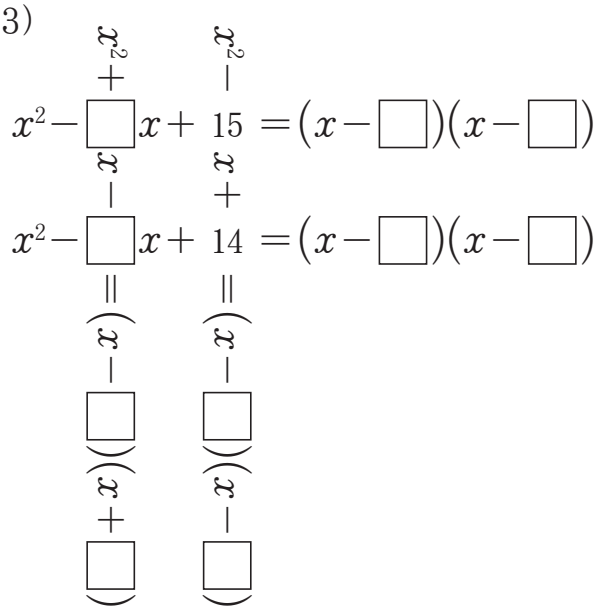
(1)



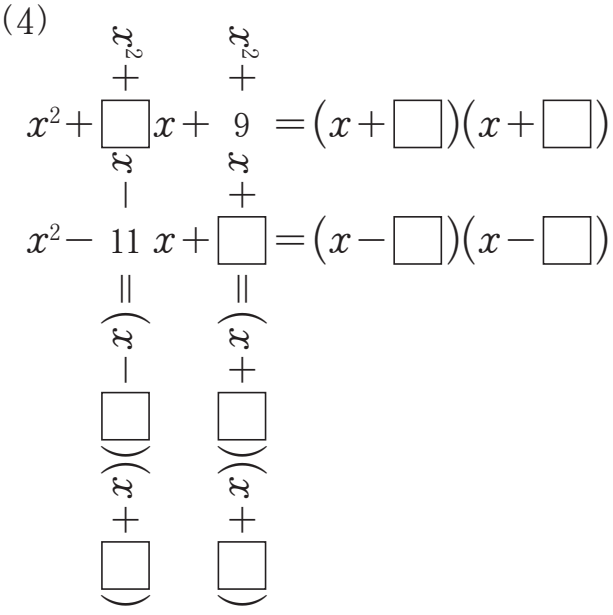
(2)



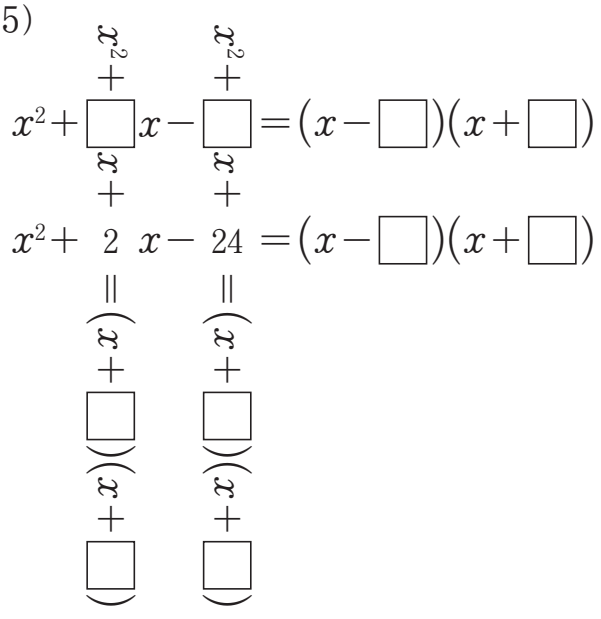
(3)



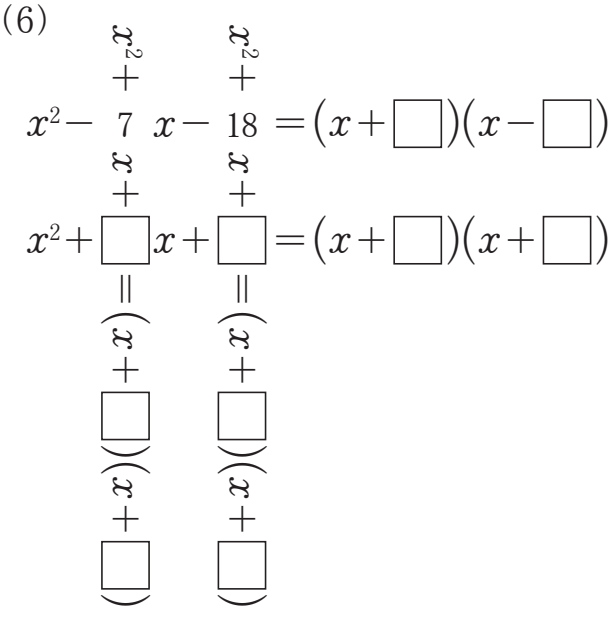
(4)



(5)



(6)



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)

$$x^2+6x-\boxed{7}=(x-\boxed{1})(x+\boxed{7})$$
$$x^2+\boxed{5}x+6=(x+\boxed{2})(x+\boxed{3})$$
$$\| \qquad\qquad \|$$
$$(x+\boxed{1})(x+\boxed{5}) \qquad (x+\boxed{1})(x+\boxed{6})$$

(2)

$$x^2+5x-\boxed{6}=(x-\boxed{1})(x+\boxed{6})$$
$$x^2-6x+\boxed{5}=(x+\boxed{1})(x+\boxed{5})$$
$$\| \qquad\qquad \|$$
$$(x-\boxed{1})(x+\boxed{6}) \qquad (x-1)(x-\boxed{5})$$

(3)

$$x^2-\boxed{8}x+15=(x-\boxed{3})(x-\boxed{5})$$
$$x^2-\boxed{9}x+14=(x-\boxed{2})(x-\boxed{7})$$
$$\| \qquad\qquad \|$$
$$(x-\boxed{1})(x+\boxed{9}) \qquad (x-\boxed{1})(x-\boxed{14})$$

(4)

$$x^2+\boxed{10}x+9=(x+\boxed{1})(x+\boxed{9})$$
$$x^2-11x+\boxed{18}=(x-\boxed{2})(x-\boxed{9})$$
$$\| \qquad\qquad \|$$
$$(x-\boxed{1})(x+\boxed{11}) \qquad (x+\boxed{3})(x+\boxed{6})$$

(5)

$$x^2+\boxed{3}x-\boxed{10}=(x-\boxed{2})(x+\boxed{5})$$
$$x^2+2x-24=(x-\boxed{4})(x+\boxed{6})$$
$$\| \qquad\qquad \|$$
$$(x+\boxed{1})(x+\boxed{2}) \qquad (x+\boxed{4})(x+\boxed{6})$$

(6)

$$x^2-7x-18=(x+\boxed{2})(x-\boxed{9})$$
$$x^2+\boxed{12}x+\boxed{32}=(x+\boxed{4})(x+\boxed{8})$$
$$\| \qquad\qquad \|$$
$$(x+\boxed{3})(x+\boxed{4}) \qquad (x+\boxed{2})(x+\boxed{16})$$