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次の式を展開しなさい。

(1) $(x+7)(x-7)$

$= x^2 - 7^2$

$\ast 7^2 = 49$

(2) $(x-1)(x+1)$

$= x^2 - 1^2$

$\ast 1^2 = 1$

(3) $(x+10)(x-10)$

$= x^2 - 10^2$

$\ast 10^2 = 100$

(4) $\left(x + \frac{1}{3}\right)\left(x - \frac{1}{3}\right)$

$= x^2 - \left(\frac{1}{3}\right)^2$

$\ast \left(\frac{1}{3}\right)^2 = \frac{1}{9}$

(5) $(x-0.3)(x+0.3)$

$= x^2 - 0.3^2$

$\ast 0.3^2 = 0.09$

(6) $\left(x - \frac{3}{5}\right)\left(x + \frac{3}{5}\right)$

$= x^2 - \left(\frac{3}{5}\right)^2$

$\ast \left(\frac{3}{5}\right)^2 = \frac{9}{25}$

(7) $(y-0.9)(y+0.9)$

$= y^2 - 0.9^2$

$\ast 0.81^2 = 0.81$

(8) $(6+x)(x-6)$

$= (x+6)(x-6)$

$= x^2 - 6^2$

$\ast 6^2 = 36$

 \ast 足し算は前後を入れ替えることができる

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(1) $x^2 - 49$	(2) $x^2 - 1$	(3) $x^2 - 100$
(4) $x^2 - \frac{1}{9}$	(5) $x^2 - 0.09$	(6) $x^2 - \frac{9}{25}$
(7) $y^2 - 0.81$	(8) $x^2 - 36$	