[12-05-22-T8]

Completing the square

■ **Expand each of the following.**

$(x+1)^2$

$(x+2)^2$

$(x+3)^2$

$(x+4)^2$

$(x+5)^2$

$(x+6)^2$

$(x-1)^2$

$(x-2)^2$

$(x-3)^2$

$(x-4)^2$

$(x-5)^2$

$(x-6)^2$

$\left(x+\frac{1}{2}\right)^2$

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

$\left(x+\frac{1}{4}\right)^2$

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

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

And your conjecture?

$(a+b)^2 =$

$(a-b)^2 =$