

Entrance Card!!



Which one of the following is a **perfect square trinomial**? Write it in factored form...

a) $x^2 - 4x + 4 = \underline{(x-2)^2}$ PST: yes/no

b) $x^2 + 6x + 9 = \underline{(x+3)^2}$ PST: yes/no

c) $x^2 - 18x + 36 =$ if there was $12x$ instead of $18x$ PST: yes/no

\downarrow \downarrow \downarrow
 x $12x$ 6

d) $x^2 - 12x + 36 = \underline{(x-6)^2}$ PST: yes/no

e) $x^2 - 3x + 9 =$ _____ PST: yes/no

f) $x^2 + 10x + 25 = \underline{(x+5)^2}$ PST: yes/no

↑ if there was $6x$ instead of $3x$...

Add the missing term to make this a PST

a) $x^2 + \underline{2x} + 1$ b) $x^2 - \underline{2x} + \underline{1}$ c) $x^2 + \underline{4x} + 4$ d) $x^2 - \underline{6x} + \underline{9}$

e) $x^2 + \underline{8x} + \underline{16}$ f) $x^2 - \underline{10x} + 25$ g) $x^2 + \underline{12x} + \underline{36}$ h) $x^2 - 2xy + \underline{y^2}$