This is a test by Matthew White.

Easy problems! Go!

Question 1 *Try to add these numbers: 3, 5*

Hint: $3 + 5$

$\boxed{8}$

Question 2 *Factor the following completely.*
$x^2 + 2x + 1$

Hint: $x^2 + 2x + 1 = (x + 1)(x + 1) = (x + 1)^2$

Multiple Choice:

  (a) $x^2 + 2x + 1$

  (b) $(x + 1)^2$ ✓

  (c) $(x - 1)(x + 1)$

Question 3 **Hint:**
$$\begin{aligned} f(x) &= 1/2x \\ g(x) &= x^2 \\ f(g(x)) &= ?? \end{aligned}$$

What is one half of x^2?
$\boxed{x^2/2}$

Question 4 *Play around with this: ¡iframe scrolling="no" src="https://tube.geogebra.org/material/iframe/id/*
width="734px" height="398px" style="border:0px;"¿ ¡/iframe¿ $1 + 1 = \boxed{2}$

Learning outcomes: Teach some easy problems in Ximera