

This is a test by Matthew White.

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Easy problems! Go!

Question 1 Try to add these numbers: 3, 5

Hint: $3 + 5$

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:**

$$\begin{array}{rcl} f(x) & = & 1/2x \\ g(x) & = & x^2 \\ f(g(x)) & = & ?? \end{array}$$

What is one half of x^2 ?