

*This is the sample!*

## This is the sample!

*This is a place to get started.*

Here's a sample question. I can math like  $2x^3 = 10$ .

**Problem 1** *What do you think the answer is?*

**Multiple Choice:**

- (a) *Incorrect*
- (b) *Not this one!*
- (c) *Click here? ✓*
- (d) *Not me!*

**Problem 2** *Multiple Choice:*

- (a) *YES! ✓*
- (b) *No, no no.*

**Problem 3** *You can test that  $x + x = \boxed{2x}$  or that  $x \cdot x = \boxed{x^2}$ .*

*I can do calculations like*

$$\sqrt{\boxed{4}} = 2$$

*and*

$$\frac{\boxed{1}}{2} = 0.5$$

**Problem 4** *Set up the definite integral*

$$\int_{\boxed{0}}^{\boxed{1}} f(x) dx$$

*to evaluate from 0 to 1.*

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Learning outcomes:

*This is the sample!*

**Question 5** What if  $f(x) = \sin x$ ? Then,

$$\int_0^1 \sin x \, dx = \boxed{-\cos(1) + \cos(0)}.$$

**Hint:** Recall  $\int \sin x \, dx = -\cos x + C$ .

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**Problem 6** The tolerance 17 means  $3421 \approx \boxed{3421}$

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