Week 5 - Midterm prep

Agenda

- Lambda Calculus Reminder
- Haskell

Lambda Calculus

Tips:

- Function application is LEFT associative!
- **2.** Function abstraction is RIGHT associative!

$$\int (f - x) (f (x - x)) (g - x) dp = 0$$

Lambda Calc

$$(x > e_1) e_2$$

Check the box next to each term that contains exactly one redex (i.e. there is one and only one way to apply a beta step to this term).

(A)
$$(\langle x \rangle \times x)$$
 $(\langle x \rangle \times x)$ = $b^2 (\langle x \rangle \times x)$

$$\uparrow (C) (f (\x -> x)) (\x -> x)$$

$$(\Rightarrow X)$$

 $\mathcal{M}(E) = \sim \text{apple } (\langle z - z \rangle)$

Haskell

Go through an exam question live