IB Pew HL 4F Change of Base: 

1. Solve  for *x*…

a. in base 3 b. in base 10 c. in base *e*

2. Rewrite  as a single logarithm…

a. in base 2 b. in base 4

3. Simplify 

Solve for x (Calculator is allowed)

4. 

5. 

6.  (no calculator for this one)