

**Formative Assessment #14** – Higher Order Derivatives

Due Date: \_\_\_\_\_

Completed: \_\_\_\_\_


**C3.4: I can determine second and higher-order derivatives of functions.**

1. Determine the fourth derivative of each function. Express your answers with positive exponents.

a)  $h(t) = 3t^7 - 6t^4 + 8t^3 - 12t + 18$

b)  $f(x) = -x^{-2} + 3x^3$

c)  $f(x) = 4\sqrt[4]{x^3} - \frac{1}{8x^2} - \sqrt{x}$

Code(s)	Learning Categories							 Assessed by:
C3.4	a)	EH	EL	AH	AL	NH	NL	
	b)	EH	EL	AH	AL	NH	NL	
	c)	EH	EL	AH	AL	NH	NL	
Notes								