

Name: _____
PC: Decomposition

Date: _____
Ms . Loughran

Do Now:

Find two functions f and g such that $(g \circ f)(x) = h(x)$

1. $h(x) = (2x + 1)^2$

2. $h(x) = \sqrt[3]{x^2 - 4}$

3. $h(x) = \frac{1}{x + 2}$

4. $h(x) = (1 - x)^3$

5. $h(x) = \frac{4}{(5x + 2)^2}$

6. $h(x) = \frac{-x^2 + 3}{4 - x^2}$

7. $h(x) = \frac{27x^3 + 6x}{10 - 27x^3}$