1) Given the functions f(x) = 3x - 4 and $g(x) = x^2 - 7$, find each of the following:

a) g(f(4))

b) f(g(x))

2) Use composition of functions to prove that the following two functions are inverses of each other:

$$f(x) = 2x + 7$$

$$g(x) = \frac{x - 7}{2}$$

Progress Check – Function Notation & Composition (CP)

Name

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- 1) Given the functions f(x) = 3x 4 and $g(x) = x^2 7$, find each of the following:
 - a) g(f(-2))

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2) Use composition of functions to prove that the following two functions are inverses of each other:

$$f(x) = \frac{3x - 5}{2}$$

$$g(x) = \frac{2}{3}x + \frac{5}{3}$$

Progress Check – Function Notation & Composition (HN)

Name

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