<u>Alg2 – Compositions of Functions Formative Assessment</u>

Name:_____

$$f(x) = 4 - 7x \qquad g(x) = \frac{3x-2}{5} \qquad h(x) = x^2 + 3$$
$$j(x) = \frac{x-3}{4} \qquad k(x) = 4x + 3$$

1. Find f(g(4)).

2. Find k(h(x)).

3. Find $h^{-1}(x)$.

4. Prove, using compositions, that j(x) and k(x) are inverses.