1. Let \( f(x) = 5 - 3x \) and \( g(x) = |x - 3| \). Find and simplify each of the following.
   a. \((f + g)(2)\)
   b. \((f \circ g)(-5)\)
   c. \((f \circ g)(-5)\)
   d. \((f \circ f)(-5)\)
   e. \((f \circ g \circ f)(-5)\)
   f. \((f \circ g)(x)\)
   g. \((g \circ f)(x)\)
   h. \((f \circ f)(x)\)

2. Let \( F(x) = |x| \), \( G(x) = x - 7 \), and \( H(x) = x^2 \). Write each of the following functions as a composition of functions chosen from \( F \), \( G \), and \( H \).
   For example, \( n(x) = (|x| - 7)^2 \) can be written as \( n(x) = H(G(F(x))) \).
   a. \( p(x) = x^2 - 7 \)
   b. \( m(x) = |x - 7| \)
   c. \( r(x) = |x^2 - 7| \)

3. Suppose \( M \) is equal to \( N \) minus 4. Also, \( N \) is equal to \( W \) plus 8. Write \( M \) as a function of \( W \).

4. Suppose a triangle has a height that is three times the length of its base. Write the equation for the area of the triangle in terms of \( B \), the length of its base.