a) For each problem, describe the transformation(s) that is/are taking place. b) Determine what happens to the point (-6,5) after the transformation(s) 1. g(x) = f(x+2) - 4 $2. \qquad g(x) = f\left(-\frac{1}{2}x\right)$ 3. g(x) = -2f(x-1)+5*Given*: f(x) = x+3; $g(x) = 3x^2 - x$; h(x) = 3x $(g \circ f)(x) =$ 4. $(f \circ g)(-2) =$ 5. 6. (h-g)(-1) =7. $\left(\frac{f}{h}\right)(-6) =$ A function and its inverse have symmetry with respect to the line : ______ 8. 9. Find $f^{-1}(x)$ given $f(x) = 2x^3 - 1$ 10. Determine algebraically whether or not f(x) = 2x + 1 and $g(x) = \frac{1}{2}x - 1$ are inverses of one another.