45. Let $f(x) = 16x^4$ and $g(x) = 4x^2$.

    (a) If $f(x) = g(h(x))$, find a possible formula for $h(x)$, assuming $h(x) \leq 0$ for all x.

    (b) If $f(x) = j(2g(x))$, find a possible formula for $j(x)$, assuming $j(x)$ is a power function.

46. Consider the power function $y = t(x) = k \cdot x^{p/3}$ where p is any integer, $p \neq 0$.

    (a) For what values of p does $t(x)$ have domain restrictions? What are those restrictions?

    (b) What is the range of $t(x)$ if p is even? If p is odd?

    (c) What symmetry does the graph of $t(x)$ exhibit if p is even? If p is odd?