F. The functions S and T are defined for real numbers by

$$S(x) = x + 1, \qquad \text{and} \qquad T(x) = -x.$$

The function S is applied s times and the function T is applied t times, *in some order*, to produce the function

$$F(x) = 8 - x.$$

It is possible to deduce that:
  (a) $s = 8$ and $t = 1$.
  (b) s is odd and t is even.
  (c) s is even and t is odd.
  (d) s and t are powers of 2.
  (e) none of the above.