Example 1.5	Calculate the energy relative to the Fermi energy for which the Fermi function equals 5%. Write the answer in units of kT.
Solution	The problems states that:

$$f(E) = \frac{1}{1 + \exp(\frac{E - E_F}{kT})} = 0.05$$

which can be solved yielding:

$$E - E_F = \ln(19)kT = 3kT$$