1.5a. A device has a single sharp level located at an energy $kT$ above $\mu_0$. Consider the following statements:

A. The Seebeck coefficient, $S$ is a little less than 100 $\mu$V/K.
B. The Peltier coefficient equals $T*S$
C. The heat conductance is zero.

Which of the following is correct?

(a) A, B and C are all correct.
(b) only A and B are correct.
(c) only B and C are correct.
(d) only A and C are correct.
(e) only B is correct.

1.5b. A device has TWO sharp levels, one located at an energy $kT$ above $\mu_0$ and the other located at an energy $kT$ below $\mu_0$. Consider the following statements:

A. The Seebeck coefficient, $S$ is a little less than 100 $\mu$V/K.
B. The Peltier coefficient equals $T*S$
C. The heat conductance is zero.

Which of the following is correct?

(a) A, B and C are all correct.
(b) only A and B are correct.
(c) only B and C are correct.
(d) only A and C are correct.
(e) only B is correct.