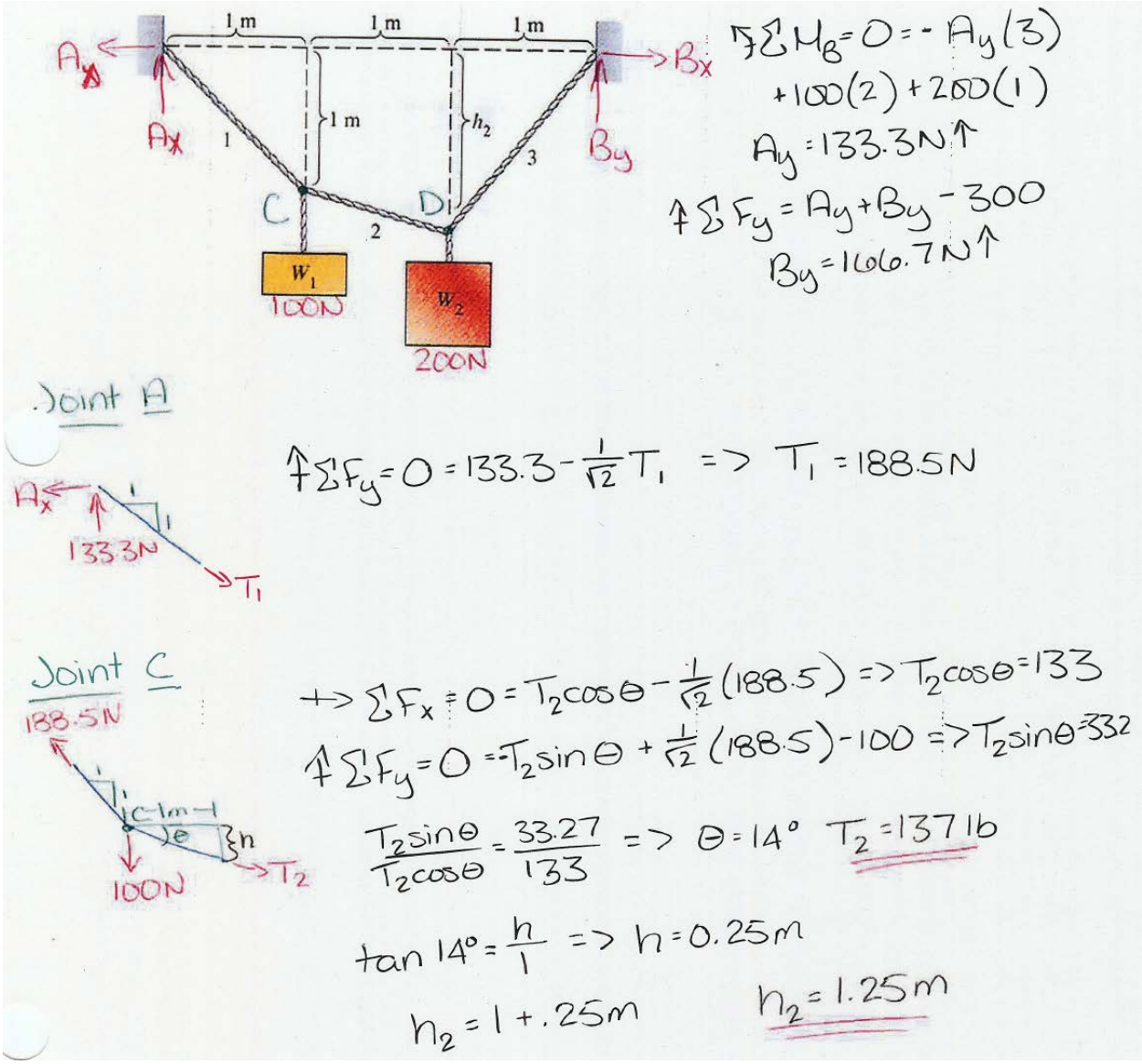
Problem 2: Two weights W_1 = 100 N and W_2 = 200 N are suspended from the cable.

1. Determine the vertical distance h_2
2. Determine the tension in cable segment 2.



ANSWER: $A_y = 133.3$ N ↑, $B_y = 166.7$ N ↑, $A_x = B_x = 133.3$N, $T_1 = 188.5$ N (T), $T_2 = 137.0$ N (T)