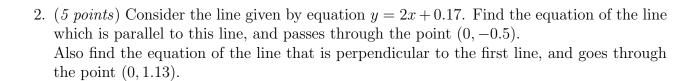
Name		

- Write as neatly as you can!
- No calculators are allowed.
- You must show your work to obtain full credit.
- 1. (5 points) The number of books sold in a small town in 2015 was 32 000. In 2010, 28 000 books were sold in this town. Let y be the number of books sold since 2010. (i.e., x=0 represents the year 2010.)

Assuming the relationship between the number of years since 2010 and the number of books sold is linear, Write a linear equation modeling the number of books sold in terms of the year x.

[Hint: The line must pass through the points (0, 28000) and (5, 32000).]



3. (1 point, extra credit) Suppose seller A sells a car at \$1000, and seller B sells the same car at a price that is 8% higher than the price at seller A's. You want to sell the same car, at a price that is 5% less than that of seller B. What is that price?