Name _____   Date _____

Version 1: Determining the APR

Use the APR table below to solve the problem.

	Annual Percentage Rates										
APR	10.00%	10.25%	10.50%	10.75%	11.00%	11.25%	11.50%	11.75%	12.00%	12.25%	12.50%
Term	Finance charge per $100 of amount financed										
6	$2.94	$3.01	$3.08	$3.16	$3.23	$3.31	$3.38	$3.45	$3.53	$3.60	$3.68
12	5.50	5.64	5.78	5.92	6.06	6.20	6.34	6.48	6.62	6.76	6.90
18	8.10	8.31	8.52	8.73	8.93	9.14	9.35	9.56	9.77	9.98	10.19
24	10.75	11.02	11.30	11.58	11.86	12.14	12.42	12.70	12.98	13.26	13.54

1. Melina Delgado received an installment loan of $4,100 to buy merchandise for her store. The finance charge is $400.She is supposed to repay the loan in 18 monthly payments. Determine the annual percentage rate.

2. Stephen Mathews received an installment loan of $21,500 to buy a new house. The finance charge is $774.00.He is supposed to repay the loan in 6 monthly payments. Determine the annual percentage rate.

3. A refrigerator sells for $2,088 on an installment plan. After making a down payment of $200, you pay $113.80 a month for 18 months.
    a) Determine the amount financed.
    b) Calculate the finance charge.
    c) What is the annual percentage rate?

4. The Stewarts bought the car in the ad below. They made a down payment of $550.They financed the remaining balance $383.85 per month for 24 months. Determine the annual percentage rate.

> Used Sedan 4 Dr
> #6540-5 speed, alloy wheels,
> cloth seats, stereo prep
> Was $9,657, NOW $8,765

5. A digital audio player that sells for $379.95 can be bought for 15% down and $29.82 a month for 12 months.
    a) Determine the amount financed.
    b) Calculate the finance charge.
    c) What is the annual percentage rate?