## **Chapter 8 Practice Test**

Name Tylar Halt

Period: 1

- Q. You are purchasing a car that costs \$24,450 financed over 5 years at 4.50% interest. (#1-3)
  - 1. What is the monthly payment on this car?

\$455.82

2. How much interest will you pay during the life of the loan?

455.82.60=27349.20

27349.70 - 24480.- \$2899.20

3. How much would you save each month if you negotiate a lower interest rate of 3.5%?

24450 (125) = 444.

<u>455.82</u> - 444.79 <u>11.03</u> \$11.03

- Q. You are purchasing a \$160,000 home on March 10<sup>th</sup> and make 8% down payment. The interest rate is 4.25%. You are financing it over 30 years. (#5-10)
  - 4. How much is your down payment?
  - 5. How much is the amount financed?

160000 - 12800 147200

\$147**2**00

6. What is the prepaid interest cost?

 $\left(\frac{.0425}{365}\right)$  |  $47200 = 17.14 \cdot 21 = 359.9$ 

\$359.94

7. What is your monthly payment?

(1-(1+:0425)-360)

= 724.14

\$724.14

8. How much would you save each month if the interest rate is 3.9% instead?

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147200(-29)

=694.30

724.14 - 1694.36

29.84

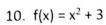
\$ 29.84

9. What is the price range of the closing costs? (2%-7%)

160000 - 07

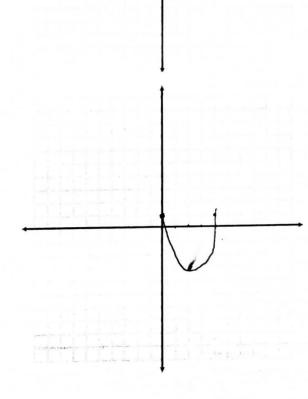
3200 - 11200

Graph each function and find the domain and range. (Use interval notation)





11. 
$$g(x) = (x-2)^2 - 3$$



12. 
$$h(x) = \sqrt{3x + 18}$$
  
 $3x + 18 \ge 0$   
 $-18$   
 $X \ge -18$   
 $R: [0, \infty)$ 

