Chapter 8 Practice Test

Name: Period:

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?

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

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

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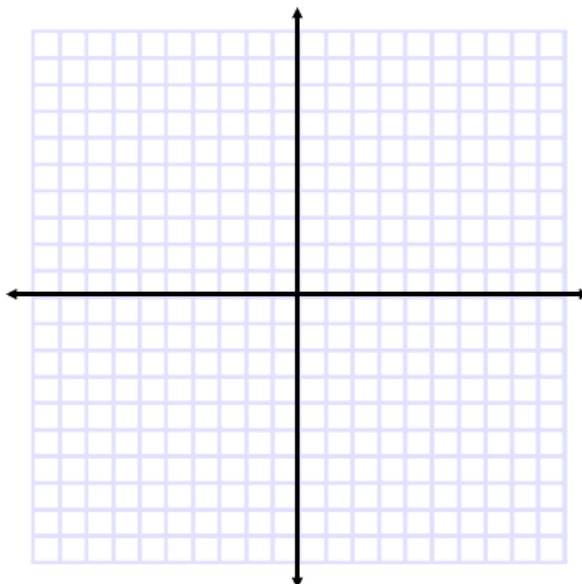
4. How much is your down payment?

5. How much is the amount financed?

6. What is the prepaid interest cost?

7. What is your monthly payment?

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

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

Graph each function and find the domain and range. (Use interval notation)
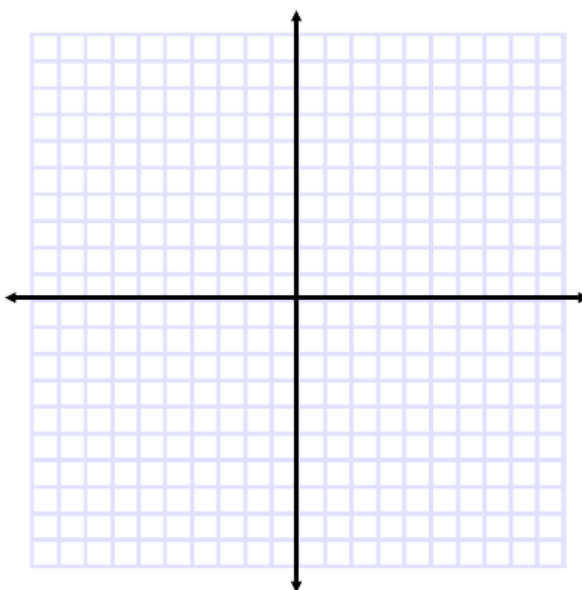
10. $f(x) = x^2 + 3$

D:

R:

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

D:

R:

12. $h(x) = \sqrt{3x + 18}$

D:

R: