practice test chapter 8 solutions worked out

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?

 $24450(.045/12)/(1-(1+.045/12)^{-60})$

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

455.82 x 60

-27,349.20 - 24450 = 2879.20

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

\$455.82 r = .045

- \$444.78 _{r=.035}

\$11.03

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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

24450(.045/12)/(1-(1+.045/12)

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

*27,349.20 -24,450.00

\$2,399.20

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

\$11.03

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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?

\$147,200

6. What is the prepaid interest cost? (Loan amt x rate)/365 = daily interest x # of days left in month = prepaid interest



7. What is your monthly payment?

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

$$MP = $694.30$$

$$MP = $724.14$$

\$29.84

9. What is the price range of the closing costs? (2%-5%)

closing costs are 2-5% of Loan amount \$147,200

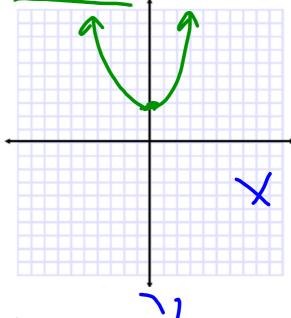
\$2,944.00

\$7,360.00

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

10. $f(x) = x^2 + 3$

 $(-\infty, \infty)$ $[3, \infty)$ R:



D: All Place Hs

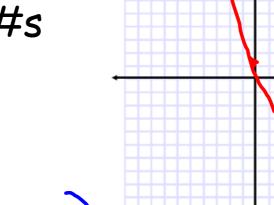
R: Y=3

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

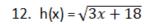
all real #s

y ≥ -3 R:

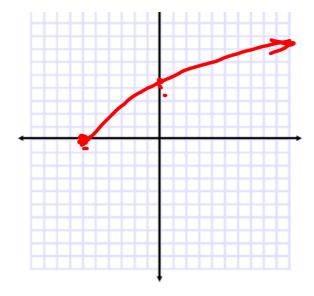
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D: (-0, 0)
R: [-3, 0)







$$\frac{3}{3}$$
 \frac{3}{3} \frac{3