Name _____ Hour_____

Chapter 12 Word Problems #1

1. Jack's father rented a car while they were on vacation. He paid a rental fee of $20.00 per day, plus 20¢ a mile. He paid $25.00 for mileage and his total bill for renting the car was $165.00. For how many days did he rent the car?

   variable: _____ $x =$ _____

   Equation: Solution:_____

2. Two years of local Internet service costs $685, including the installation fee of $85. What is the monthly fee?

   variable: _____ $x =$ _____

   Equation: Solution:_____

3. A taxi charges $1.50 plus a fee of $0.60 for each mile traveled. If a ride costs $5.40, how many miles was the ride?

   variable: _____ $x =$ _____

   Equation: Solution:_____

4. Last week, Carlie had several rice cakes and 3 granola bars as snacks. The snacks contained a total of 800 calories. If each granola bar had 120 calories and each rice cake had 40 calories, how many rice cakes did she have?

   variable: _____ $x =$ _____

   Equation: Solution:_____

5. A new one-year membership at Vista Tennis Center costs $160. A registration fee of $28 is paid up front, and the rest is paid monthly. How much do new members pay each month?

variable: _____ x = _____

Equation: Solution:_____

6. Each Saturday, a gym holds a 45-minute yoga class. The weekday yoga classes last 30 minutes. the number of weekday classes varies. Last week, the yoga classes totaled 165 minutes. How many weekday yoga classes were held?

variable: _____ x = _____

Equation: Solution:_____

7. The school purchased baseball equipment and uniforms for a total of $1,836. The equipment cost $612, and the uniforms were $25.50 each. How many uniforms did the school purchase?

variable: _____ x = _____

Equation: Solution:_____

8. Troy owns three times as many trading cards as Hillary. Subtracting 9 from the number of trading cards Troy owns and then dividing by 6 gives the number of cards Sean owns. If Sean owns 24 trading cards, how many trading cards does Hillary own?

variable: _____ x = _____

Equation: Solution:_____

9. Joel has twice as many CDs as Mariella has. Subtracting 7 from the number of CDs Joel has and dividing by 3 equals the number of CDs Blake has. If Blake has 25 CDs, how many CDs does Mariella have?

variable: _____ x = _____

Equation: Solution:_____

10. Keisha read twice as many books this year as Ben read. Subtracting 4 from the number of books Keisha read and dividing by 2 gives the number of books Sheldon read. Sheldon read 10 books. How many books did Ben read?

variable: _____ x = _____

Equation: Solution:_____

11. Abby ran 3 times as many laps as Karen. Adding 4 to the number of laps Abby ran and then dividing by 7 gives the number of laps Jill ran. Jill ran 1 lap. How many laps did Karen run?

variable: _____ x = _____

Equation: Solution:_____

12. Faith spent $78 at Fashion Warehouse. She bought 2 shirts that each cost $17.50 and a pair of shoes. How much did she spend on the shoes?

variable: _____ x = _____

Equation: Solution:_____