

Name _____

Pd. _____

Score _____

CHAPTER 5-1 QUIZ

Define the following with short answer:

1. AC _____
 2. p/seats _____
 3. Cruise _____
 4. CD _____
 5. CYL _____
 6. p/mirrors _____
 7. GPS _____
 8. p/locks _____
 9. auto _____
 10. pw _____
 11. lthr _____
 12. p/ant _____
 13. ps _____
 14. dr _____
-
15. a. If you purchased a car for \$21,496.79 and had to pay 8.1% sales tax, how much tax would you pay?

b. What would the total be for the purchase in number 15?

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16. In your own words, explain the function below:

$$c(x) = \begin{cases} 35 & \text{when } x \leq 5 \\ 35 + 6(x - 5) & \text{when } x > 5 \end{cases}$$

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17. If you were to graph the piecewise function above, what would be the cusp?

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Key – Ch. 5-1 Quiz

1. Air conditioning
2. Power seats
3. Cruise control
4. Compact disc player
5. Number of cylinders
6. Power mirrors
7. Navigation System/Global Positioning System
8. Power locks
9. Automatic transmission
10. Power windows
11. Leather interior
12. Power antenna
13. Power steering
14. Number of doors

15. $\$21,496.79 \times .081 = \1741.24

16. $\$21,496.79 + 1,741.24 = \23238.03

17. Cusp is (5,35)

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