Quiz!

---

1) You bought a new car 6 years ago. This car loses all marketable value after 12 years. If the purchase price was $16,600, how much is it worth today?

---

2) What would be the monthly payment on a car that costs $21,000 with 6.6% sales tax financed over 5 years at 5% interest?

---

3) You go to dinner with friends and pay the bill. The check comes to $48.50 plus 6.6% sales tax. You give an 15% tip. How much does the dinner cost you?

---

4) Factor and Solve

$$y = 5x^2 - 33x - 14$$

Function Notation
Given that $f(x) = 3x^2 - 5x - 11$ and $g(x) = 4x - 3$, find each of the following.

5) $g(4) - f(-2)$

6) $g(f(x))$

7) $f(g(x))$