
Name:

Date:_____

Combining Functions Practice	
Given the functions $f(x) = 4x + 8$ and $g(x) = 2x - 1$. Find $2f(x) + 3g(x)$	12 2. Find g(x)-f(x)
Given the functions $f(x) = 4x^2 - 2x + 5$ and $g(x) = 3$. Find $f(x) + g(x)$	= $x^2 + 7x - 8$ 4. Find g(x)-f(x)
5. Find $f(-2) - g(3)$	6. Find g(-2)-f(3)
Given the functions: $f(x) = 3x^2 - 7x - 1$ and $g(x) = -x^2 + 4x - 10$ and $h(x) = -6$ 7. Find $3f(x) + 6h(x)$ 8. Find $g(x) - h(x)$ 9. Find $h(x) \bullet g(x)$	
10. Find $5f(x) + 7g(x)$	11. Find 3f(x)•h(x)

10. Jill has a regular savings account that has \$350 in it. She saves \$55 each month in this account. She is also going on tour with her school choir next year. She opens up a new savings account just for tour. She deposits \$25 to start the account and then, decides to save \$40 each month from her paycheck into her tour savings account.

- a. Write a function to represent the prices r(x) for Jill's regular savings account.
- b. Write a function t(x) to represent Jill's tour savings account.
- c. Combine the two functions into one function s(x) = r(x) + t(x).
- d. Calculate her totals savings after 3 months, 6 months, and 10 months.