

ALGEBRA II
FUNCTION ALGEBRA REVIEW

NAME _____

$$f(x) = 2x + 5$$

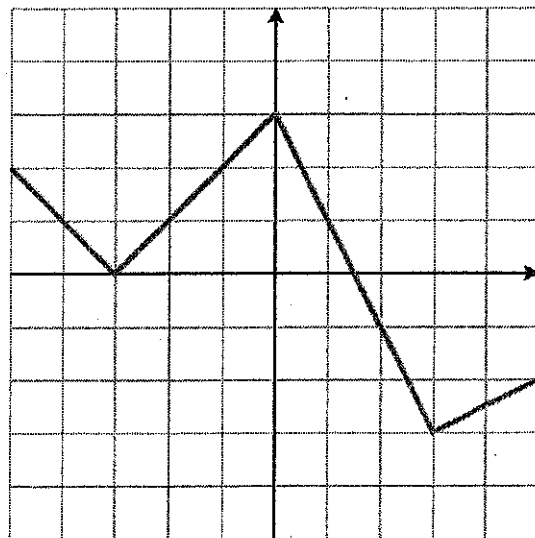
$$g(x) = 10 - x$$

$$h(x) = x^2 + 4$$

Table of values for $i(x)$

x	y
-2	-2
-1	2
0	6
1	10
2	14

Graph of $k(x)$



Evaluate the following:

1. $f(4) =$

2. $h(-5) =$

3. $i(0) =$

4. $k(3) =$

5. $g(-5) =$

6. $(f + h)(3) =$

7. $(g \cdot k)(2) =$

8. $\left(\frac{i}{f}\right)(2) =$

9. $(h - f)(10) =$

10. $(i \cdot k)(-3) =$

11. $(f \circ g)(2) =$

12. $(h \circ i)(0) =$

13. $f(g(x)) =$

14. $g(h(x)) =$

15. $(g + f)(x) =$

16. $(h - g)(x) =$

17. $(g \cdot f)(x) =$

18. $\left(\frac{h}{f}\right)(x) =$

Solve for x .

19. $f(x) = 8$

20. $i(x) = 2$

21. $k(x) = 3$