

For 1-3 use the following functions: $f(x) = 7x + 1$ $g(m) = m^2 - 4m$ $k(a) = \frac{5a-3}{a+1}$

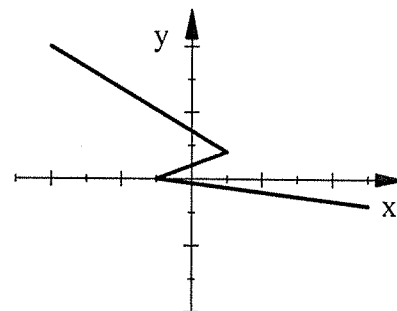
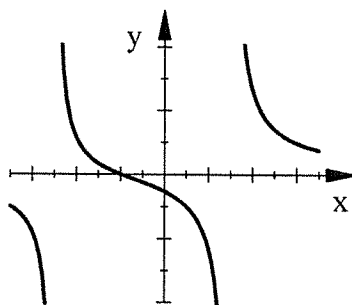
1. Find $k(7)$
2. Find x if $f(x) = 40$
3. Find $2g(3) - 5k(1)$

Does each relation represents a function?

- 4.
- 5.
- 6.
- 7.

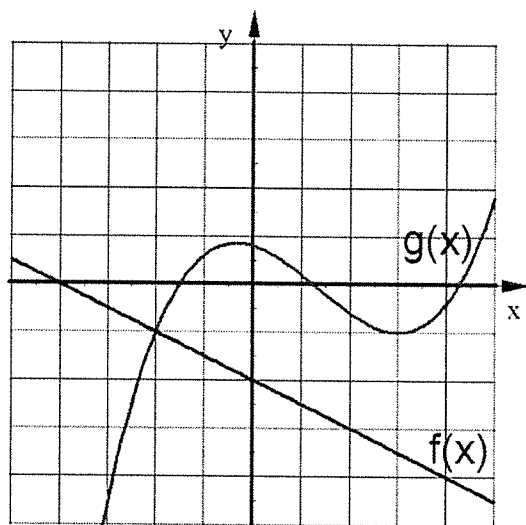
X	Y
6	4
4	0
-3	-1
11	3
18	4

X	Y
-2	1
7	6
20	-4
-5	3
7	12

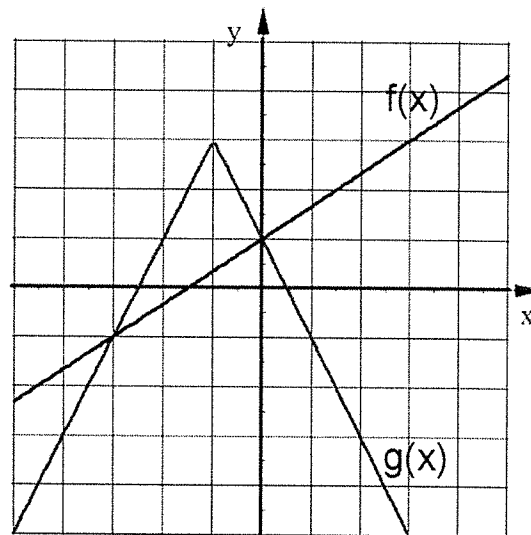


For each of the following use the graphs of $f(x)$ and $g(x)$ to answer the questions. Use interval notation when possible.

- 8.
- 9.



- a) $f(x) = g(x)$
- b) $f(x) > g(x)$
- c) $f(x) < g(x)$



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