Worksheet #14

For #1-3, if $f(x) = \cos x$ explain how each of the following differs.

1) $g(x) = 3 \cos (x - \pi/4) - 7$

2) $h(x) = -4 \cos (x + 3)$

3) $k(x) = 2 \cos (-x - \pi/2) + 3$

4) $f(x) = \cos (3x + 6) - 2$

For #5- 14, determine if the function is odd, even or neither.

5) $f(x) = 5 \sin x$

6) $g(x) = 3 \cos 5x$

7) $h(x) = -2 \sin 3x$

8) $k(x) = -6 \cos x$

9) $j(x) = 4 + \sin x$

10) $f(x) = \sin (x + \pi/4)$

11) $h(x) = -3 \tan x$

12) $g(x) = \tan (x + \pi/2)$

13) $k(x) = \cos (x - \pi/2)$

14) $g(x) = 3 + \cos x$