You will have at least 15 minutes to complete the quiz. No calculators are allowed.

1. [2 pts each] Decide if the following functions are even, odd, or neither.

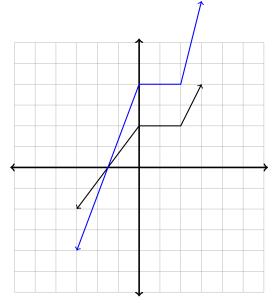
(a)
$$f(x) = (x^3 - x)^5$$
 Odd

(c)
$$r(t) = t^5 + 1$$
 Neither

(b)
$$g(x) = e^{x^2}$$
 Even

(d)
$$c(t) = e^{3t} + e^{-3t}$$
 Even

- 2. [2 pts each] Suppose (2,9) is a point on the graph of f(x).
 - (a) Find a point on the graph of f(x-2). (c) Find a point on the graph of -f(x).
 - (b) Find a point on the graph of $\frac{2}{3}f(x)$. (2,6)
- (d) Find a point on the graph of $f(\frac{2}{3}x)$ (3,9)
- 3. [2 pts each] Given below is the graph of f(x).
 - (a) Draw the graph of 2f(x).



(b) Draw the graph of f(2x).

