

Monday, August 29, 2016 - Late Start!

- 1.2 Even, Odd, Neither
- 1.3 11 Basic Functions
- HW: See calendar or do MML 1.3 Day 1

Quiz 1.2 - 1.3 Thursday!!

Even / ODD / NEITHER

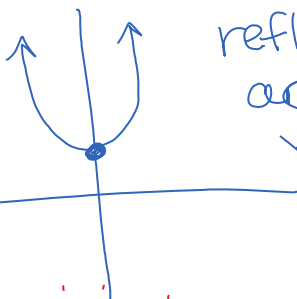
Even

$$f(x) = x^2 + 1$$

$$f(-x) = (-x)^2 + 1$$

$$= x^2 + 1$$

Same as original



reflects
across
y-axis

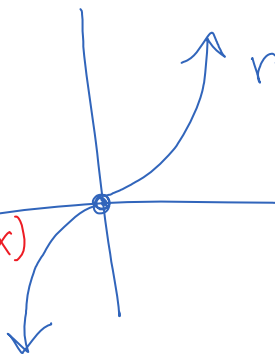
Odd

$$f(x) = 2x^3 - x$$

$$f(-x) = 2(-x)^3 - (-x)$$

$$= -2x^3 + x$$

opposite the original



reflect
across
origin

Neither

$$f(x) = \sqrt{2x - 1}$$

$$f(x) = 2x^3 - x^2$$

$$f(x) = x^3 + 2$$

Beautiful Dance Moves



$\sin(x)$



$\cos(x)$



$\tan(x)$



$\cot(x)$



$|x|$



x



x^2



$x^2 + y^2$



\sqrt{x}



$-\sqrt{x}$



$\frac{1}{x}$



crap.