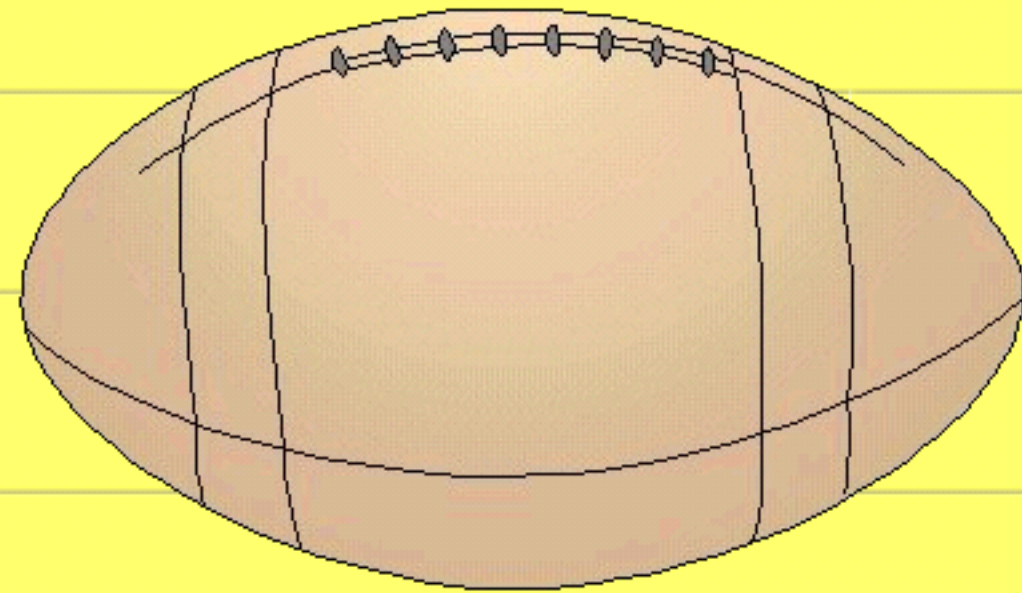
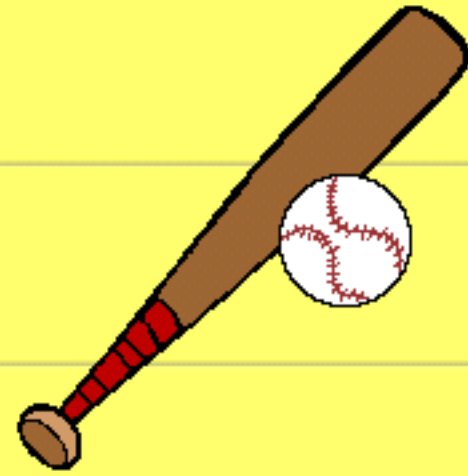
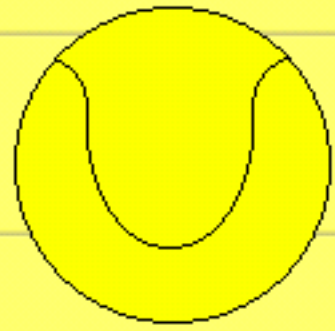


Graphing Functions

How can you identify sports?



Graphing Functions - Notes

1. Solve the function for y
2. Press $y =$
3. Enter in function (use X, T, O, n for x)
4. Press **WINDOW**
5. Make sure the window is set from -10 to 10 for x and y .
6. Press **GRAPH**

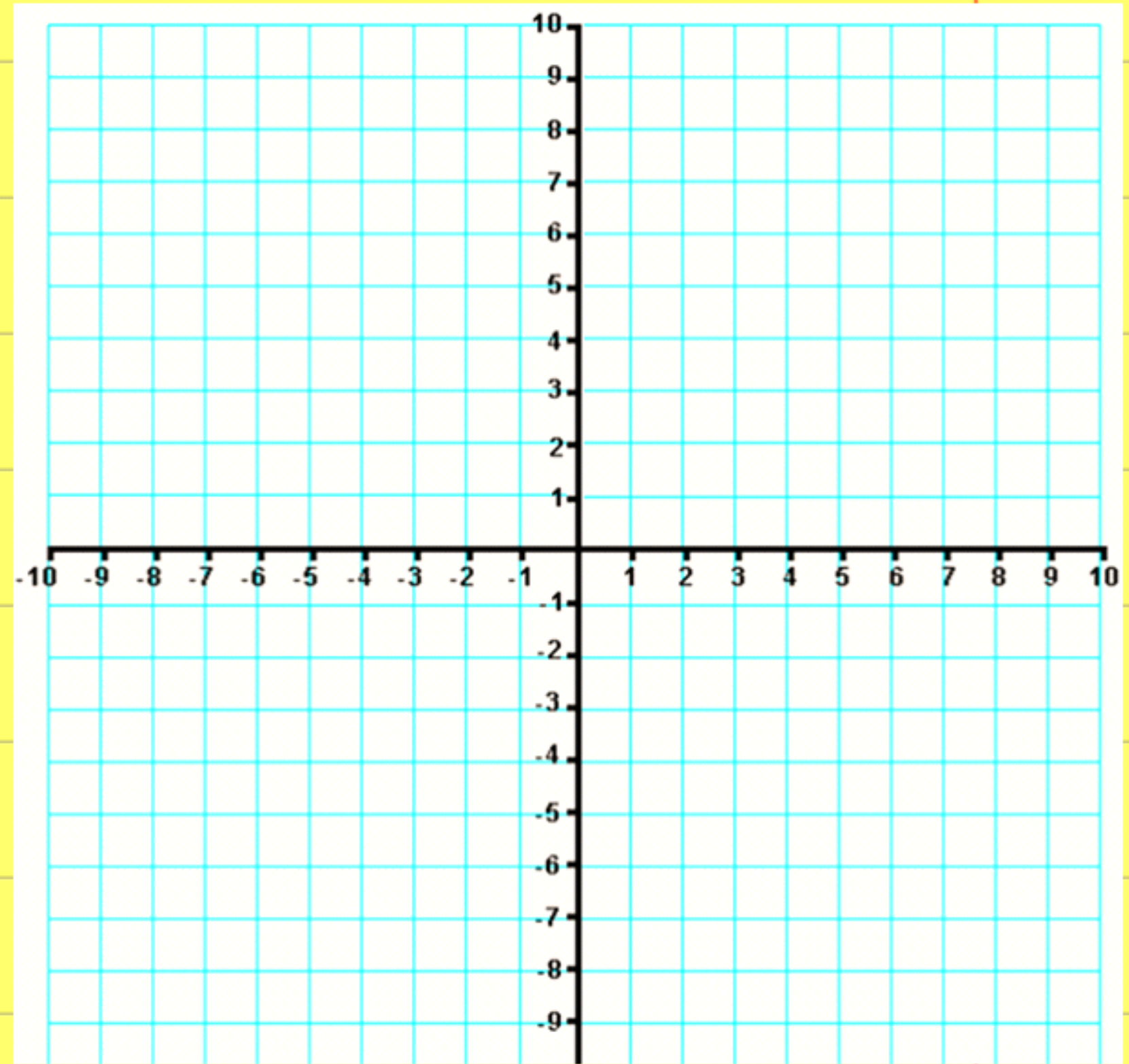
As a class graph,

$$y = 3x - 6$$

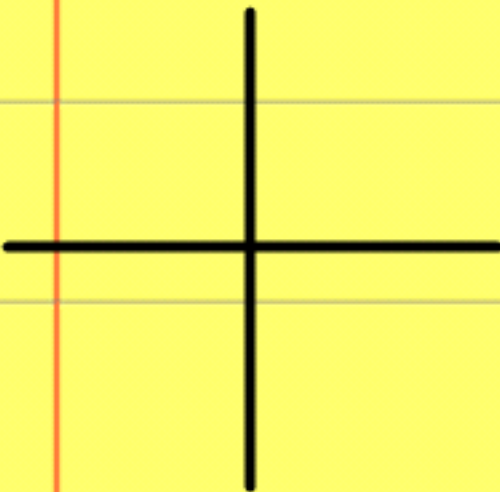




$$y = x^2 + 4x$$

$$y = |2x|$$





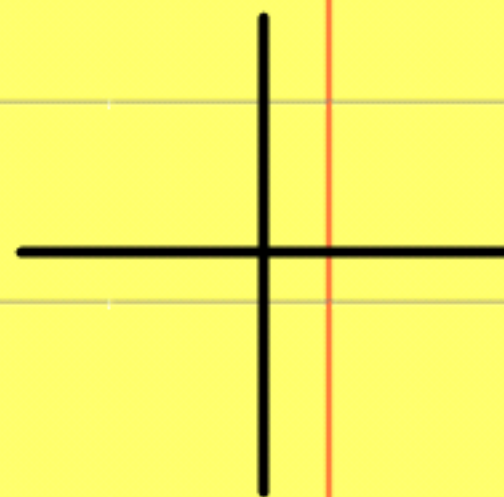
$$y + 4 = x^3$$




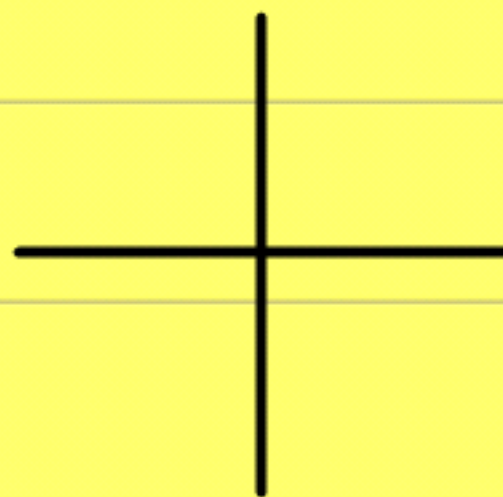



Graph the following functions using your graphing calculator. For each function sketch the graph on a piece of paper (to be turned in).

$y = 5$	$y = -8$	$y = .5$	$y = -3.7$	$y = (3/4)$
				
Trend:				





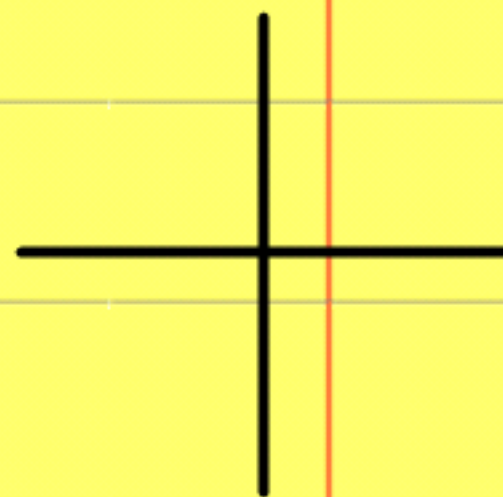
Graph the following functions using your graphing calculator. For each function sketch the graph on a piece of paper (to be turned in).

$y = 3x$	$y = 2x + 8$	$y = -x - 5$	$y = .5x - 3$	$y = -4x + 2$
				
Trend:				


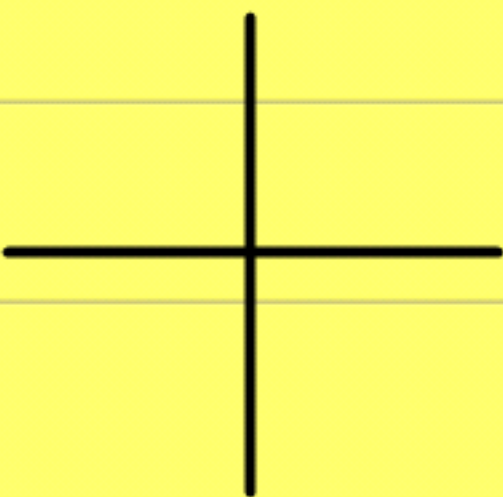



Graph the following functions using your graphing calculator. For each function sketch the graph on a piece of paper (to be turned in).

$y = x^2$	$y = 3x^2$	$y = x^2 - 4$	$y = -(2x)^2$	$y = (.5x)^2 + 2$
				
Trend:				

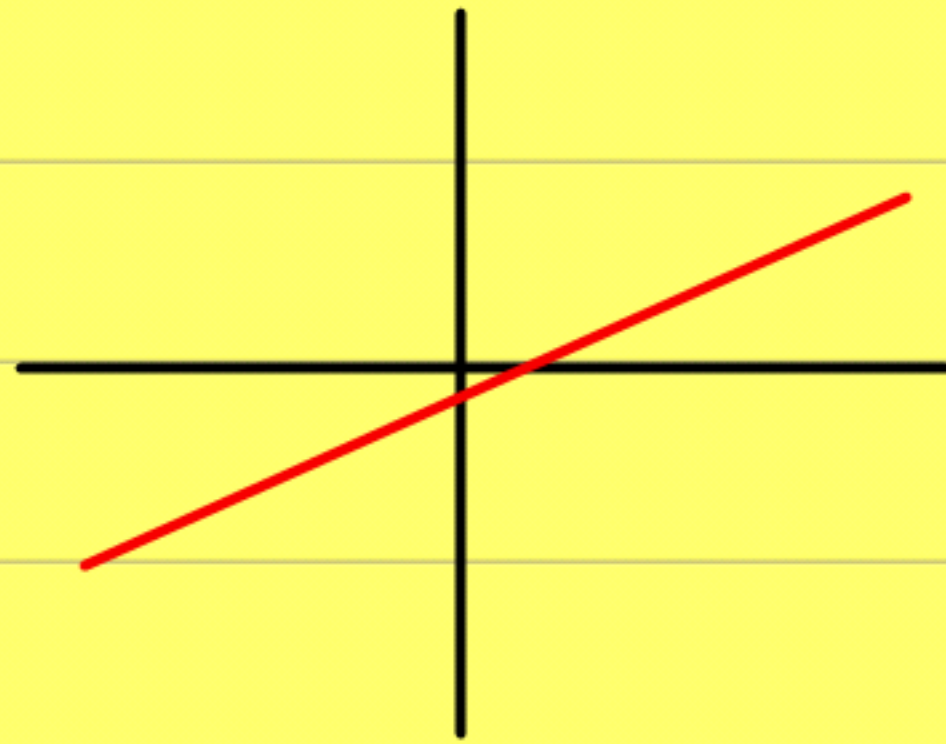
Graph the following functions using your graphing calculator. For each function sketch the graph on a piece of paper (to be turned in).

$y = 2x^3$	$y = x^3 + 2$	$y = (x + 2)^3$	$y = -2x^3 - 1$	$y = x^3 - x^2 - x - 1$
				
Trend:				

Graph the following functions using your graphing calculator. For each function sketch the graph on a piece of paper (to be turned in).

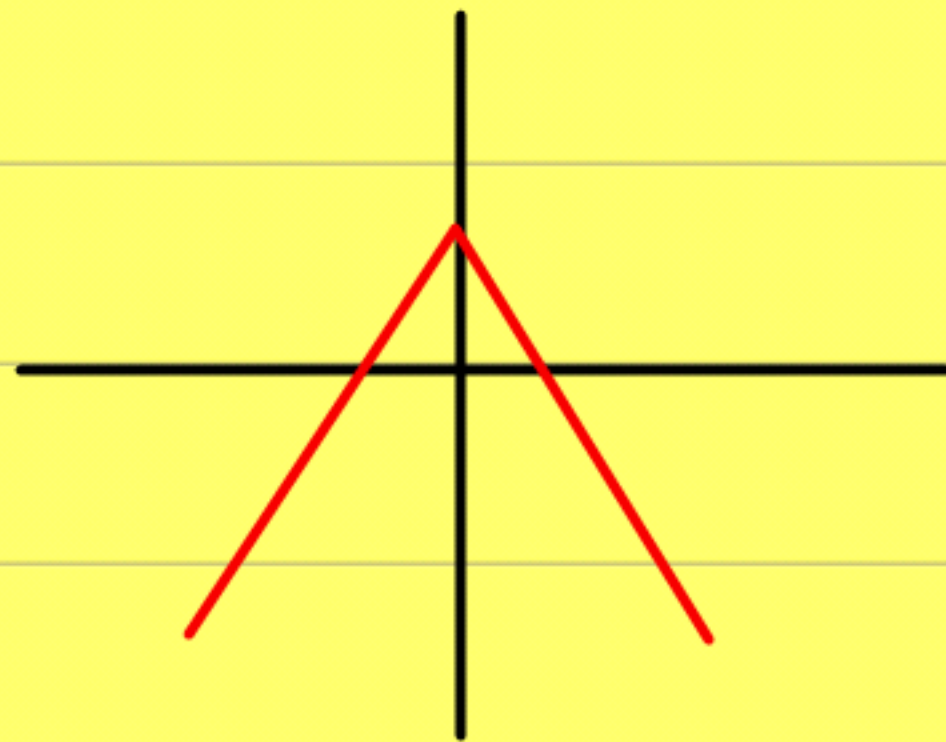
$y = x $	$y = x + 3$	$y = 3x - 2 $	$y = - x - 3 $	$y = 2 x + 4 $
				
Trend:				

What kind of function is this?



- A. Constant
- B. Linear
- C. Quadratic
- D. Cubic
- E. Absolute Value

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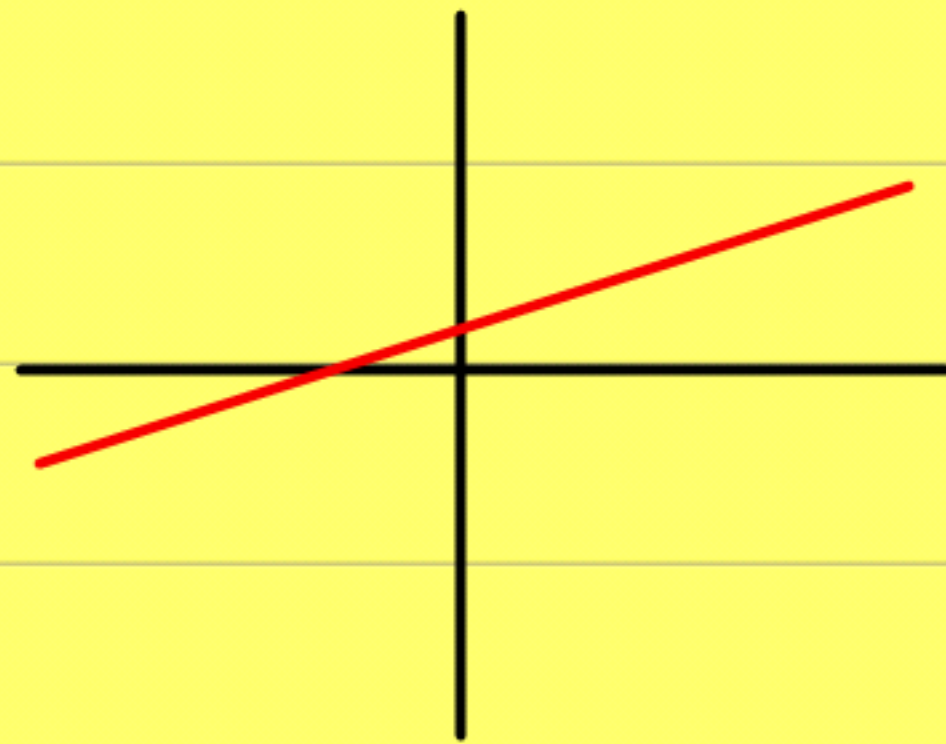
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