Common graphs practice

Sketch each of the curves onto the graph cards then cut out the cards and arrange them into a 3x3 grid according to the following rules

Rules

- The graphs that are in the centre left square and the middle square both go through (1, 1)
- Two of the graphs in the left hand column go through the origin
- The three trigonometric graphs are all on the bottom row
- The graphs in the centre right square and the centre square are reflections of each other
- The graph in the top centre square is always positive
- The graph in the top left square has a constant gradient
- All of the curves in the middle row go through the origin
- y=tan(x) is in the centre column
- One of the graphs in the right hand column never crosses any of the axes

Cards

$y = \frac{1}{x}$	$y = -x^2$	$y = \tan(x)$
$y = \sin(x)$	$y = 2x + 3$	$y = x^3$
$y = 2^x$	$y = \cos(x)$	$y = x^2$