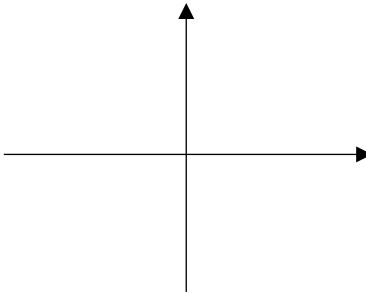


Name: _____

Class: _____

Marking Column

For each question, colour the circle for a correct answer.

1.	Sketch the graph of $y = \ln x$ showing any intercepts. 	7.	Graph of $y = \tan x$, $0^\circ < x < 360^\circ$ Label every 90° on the x -axis. 
2.	Symmetry properties for sin and cos (in degrees)	8.	$\int \left(\frac{3}{\sqrt{x}} - 2\sqrt{x} \right) dx$
3.	4 criteria to model using the binomial distribution...	9.	How are <u>acceleration</u> and <u>distance</u> represented on a velocity-time graph?
4.	$\ln e =$	10.	Condition for statistically independent events...
5.	Simplify $e^{5 \ln x}$	11.	Simplify $\frac{1}{2} \ln(4x^2)$
6.	$f(x) = 3x^2$ Find $f'(x)$ from first principles.	12.	$\sin x = \frac{1}{3}$, $90^\circ < x < 180^\circ$ Find the exact value of $\cos x$.

Q	✓
1.	☐
2.	☐
3.	☐
4.	☐
5.	☐
6.	☐
7.	☐
8.	☐
9.	☐
10.	☐
11.	☐
12.	☐
Score	
Time	