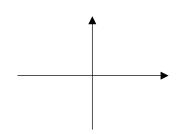
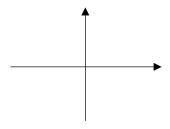
_____ Class: _____ Name: __

- 1. Relationship between $\frac{dy}{dx}$ and $\frac{dx}{dy}$. 10. Solve the inequality (x-5)(2-x) < 0

2. Sketch the graph of $y = \ln x$



11. Sketch the graph of $y = x^2(x-1)(2x+3)$



 $\log_4 4 =$

12. Chain Rule Formula

3 identities: $\cos 2x = ...$

Symmetry properties for $\sin x$ and $\cos x$ (in radians)

 $\frac{\mathrm{d}}{\mathrm{d}x}\sqrt[3]{5x-1} =$

 $\int \frac{3}{12x-1} dx =$

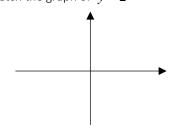
6. 5 SUVAT equations

15. $\sin x = \frac{3}{7}$, $90^{\circ} < x < 180^{\circ}$

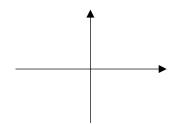
Find the exact value of $\tan x$.

- 7. Criteria for an increasing function. 16. Simplify $e^{5\ln x}$

Sketch the graph of $y = 2^x$



17. Sketch the graph of $y = \sqrt{x}$



 $\ln e =$

18. $\ln 0 =$

Marking Column

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

Q	\
1.	0
2.	0
3.	0
4.	0
5.	0
6.	0
7.	0
8.	0
9.	0
10.	0
11.	0
12.	0
13.	0
14.	0

15.

16.

17.

18.

Score

Time