Name: _____   Class: _____
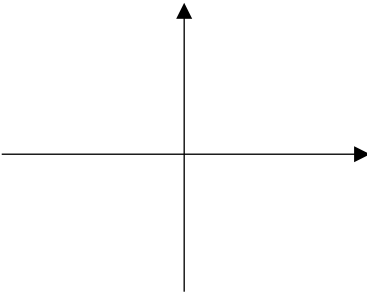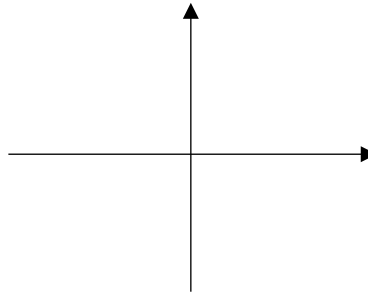
1. A2 E10	Graph of $y = \sin^{-1}x$ in radians showing intercepts and endpoints.	**7.** AS B3	Sketch the graph of $y = (3 - x)(x - 2)(2x + 5)$
2. AS B7	Solve the inequality $x(2 - x) < 0$	**8.** A2 E6 and A2 E8	$\cos x = \dfrac{2}{5},\ 0° < x < 90°$ Find the exact value of $\operatorname{cosec} x$.
3. AS Q3	5 SUVAT equations	**9.** A2 E6	3 identities: $\cos 2x = \ldots$
4. A2 B2	Range of $f(x) = e^x + 2,\ x \in \mathbb{R}$	**10.** A2 G6	Chain Rule Formula
5. A2 H3	$\displaystyle\int \dfrac{3}{15x + 2}\,\mathrm{d}x =$	**11** A2 B1	Greatest possible domain of $f(x) = \sqrt{x - 2}$
6. A2 B4	Describe a sequence of transformations: $y = \sin x \rightarrow \sin\left(3x + \dfrac{\pi}{4}\right)$	**12.** A2 H5	$\displaystyle\int \cos^2 x\,\mathrm{d}x = \ldots$

Marking Column

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

Q	✔
1.	○
2.	○
3.	○
4.	○
5.	○
6.	○
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