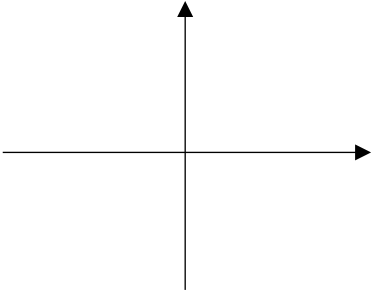
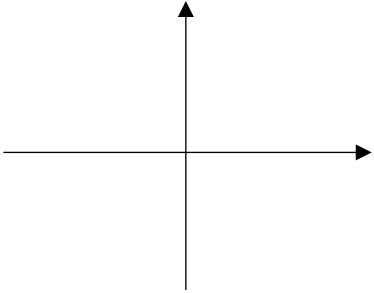


Name: _____

Class: _____

<p>1.</p> <p>A2 E10</p>	<p>Graph of $y = \cos^{-1}x$ in radians showing intercepts and endpoints.</p> 	<p>7.</p> <p>AS B3</p>	<p>Sketch the graph of $y = (2x + 1)^2(3 - x)$</p> 
<p>2.</p> <p>A2 H3</p>	<p>$\int \frac{3x+7}{3x+1} dx =$</p>	<p>8.</p> <p>AS M4</p>	<p>Give 2 identities linking $\sec x$, $\operatorname{cosec} x$, $\cot x$ and $\tan x$</p>
<p>3.</p> <p>AS Q3</p>	<p>For mutually exclusive events:</p> <p>$P(A \cap B) =$</p> <p>$P(A \cup B) =$</p>	<p>9.</p> <p>AS M1</p>	<p>4 criteria to model using the binomial distribution...</p>
<p>4.</p> <p>A2 B2</p>	<p>Range of $f(x) = e^{x+2}$, $x \in \mathbb{R}$</p>	<p>10.</p> <p>AS Q9</p>	<p>Condition for statistically independent events...</p>
<p>5.</p> <p>AS E3</p>	<p>Symmetry properties for \sin and \cos (in radians)</p>	<p>11.</p> <p>A2 B1</p>	<p>Range of $g(x) = \operatorname{cosec} x$</p>
<p>6.</p> <p>A2 B4</p>	<p>Describe a sequence of transformations: $y = 2x+1 \rightarrow y = x$</p>	<p>12.</p> <p>A2 H5</p>	<p>Write $\frac{3x+2}{(2x-1)(x+3)}$ in partial fractions.</p>

Marking Column

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

Q	✓
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2.	<input type="radio"/>
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Score	
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