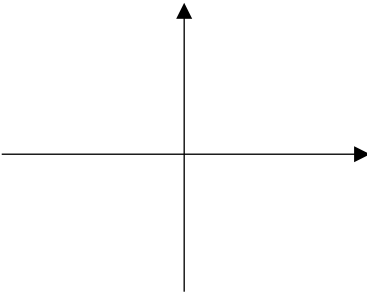
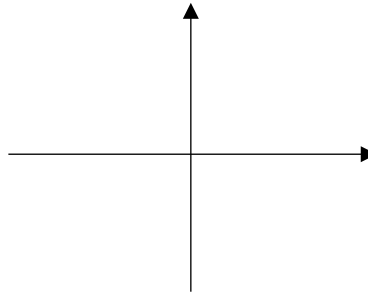


Name: _____

Class: _____

<p>1.</p> <p>A2 E10</p>	<p>Graph of $y = \sin^{-1}x$ in radians showing intercepts and endpoints.</p> 	<p>7.</p> <p>AS B3</p>	<p>Sketch the graph of $y = (x + 2)^2(x - 1)(3x + 1)$</p> 
<p>2.</p> <p>A2 H3</p>	<p>$\int \frac{5 + 3x}{2x} dx =$</p>	<p>8.</p> <p>AS M4</p>	<p>Condition for statistically independent events...</p>
<p>3.</p> <p>AS Q3</p>	<p>5 SUVAT equations</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>Fill in the gaps: $x = \int \underline{\hspace{1cm}} dt$ $v = \int \underline{\hspace{1cm}} dt$ x is displacement</p>
<p>5.</p> <p>AS E3</p>	<p>Symmetry properties for sin and cos (in degrees)</p>	<p>11</p> <p>A2 B1</p>	<p>Greatest possible domain of $f(x) = \sqrt{2x - 1}$</p>
<p>6.</p> <p>A2 B4</p>	<p>Describe a sequence of transformations: $y = e^x \rightarrow y = 3e^x - 4$</p>	<p>12.</p> <p>A2 H5</p>	<p>$\int \cos^2 x dx = \dots$</p>

Marking Column

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

Q	✓
1.	<input type="radio"/>
2.	<input type="radio"/>
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12.	<input type="radio"/>
Score	
Time	