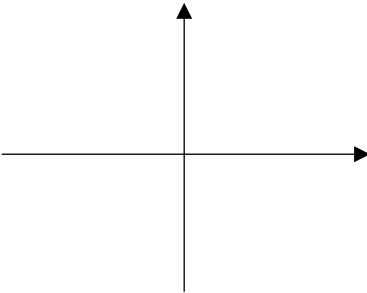
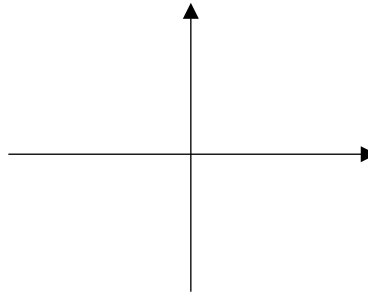


Name: \_\_\_\_\_

Class: \_\_\_\_\_

<p>1.</p> <p>AS F7</p>	<p>Graph of <math>y = 5^x</math> showing any intercepts.</p> 	<p>7.</p> <p>AS B5</p>	<p>Sketch the graph of <math>y = (x + 2)^2(x - 1)</math> showing any intercepts.</p> 
<p>2.</p> <p>AS G5</p>	<p><math>\frac{d}{dx} \left( x^4 + 3\sqrt{x} + \frac{1}{x^3} \right) =</math></p>	<p>8.</p> <p>AS M4</p>	<p>Condition for statistically independent events...</p>
<p>3.</p> <p>AS F3</p>	<p>Write <math>a^b = c</math> in logarithmic form.</p>	<p>9.</p> <p>AS M1</p>	<p>4 criteria to model using the binomial distribution...</p>
<p>4.</p> <p>AS F2</p>	<p><math>\ln 1 =</math></p>	<p>10.</p> <p>AS G1</p>	<p>State the criteria required for a minimum point on a curve.</p>
<p>5.</p> <p>AS E3</p>	<p>Symmetry properties for sin and cos (in degrees)</p>	<p>11</p> <p>AS F5</p>	<p>Simplify <math>e^{2\ln x}</math></p>
<p>6.</p> <p>AS B7</p>	<p>Solve the inequality <math>(x - 2)(3 - x) &lt; 0</math></p>	<p>12.</p> <p>AS E6</p>	<p><math>\sin x = \frac{2}{3}</math>, <math>0^\circ &lt; x &lt; 90^\circ</math> Find the exact value of <math>\cos x</math>.</p>

Marking Column

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

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