<table>
<thead>
<tr>
<th>Non-Calculator Question</th>
<th>Answer</th>
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<tbody>
<tr>
<td>1) Sketch a triangle (ABC) with a median drawn from A.</td>
<td>![Diagram of a triangle with a median drawn from A]</td>
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<td>2) How can you tell if a function is stationary at a particular point?</td>
<td>( \frac{dy}{dx} = 0 )</td>
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<td>3) If the graph of ( f(x) ) has a point (2,3), what will this transform to in the equation ( 3 - f(x) )?</td>
<td>(2,0)</td>
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<td>4) Solve the equation ( 2 \sin 2x = 5 \sin x ) for ( 0 \leq x \leq 360^\circ ).</td>
<td>( x = 0^\circ, 180^\circ, 360^\circ )</td>
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<td>5) Calculate the limit of the following recurrence relation: ( u_{n+1} = 0.2u_n + 4 ).</td>
<td>( L = 5 )</td>
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<td>6) Find the gradient of the tangent to the curve ( y = 3x^3 + 2x^2 ) when ( x = 2 ).</td>
<td>( m = 44 )</td>
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<td>7) A circle has the equation ( (x - 2)^2 + (y - 5)^2 = 5 ) Find the equation of the tangent at the point (3,7).</td>
<td>( x + 2y - 17 = 0 )</td>
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<td>8) If ( f(x) = 3x + 2 ) and ( g(x) = \frac{1}{x^2} ), ( g(f(x)) ).</td>
<td>( g(f(x)) = \frac{1}{(3x + 2)^2} ) ( g(f(x)) = \frac{1}{9x^2 + 12x + 4} )</td>
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<td>9) A circle has centre (-2,-5) and radius 5. State the equation of the circle.</td>
<td>( (x + 2)^2 + (y + 5)^2 = 25 )</td>
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<td>10) Find ( \int_0^4 -x^3 + 2x \ dx ).</td>
<td>(-48)</td>
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