Pearson

Activity 1 responses

IAL Ref	Topic in Pure 1	Present in Edexcel Int GCSE	Any comments put in Chat
1.1	Laws of indices for all rational exponents.	1. Yes 2. No	
1.2	Use and manipulation of surds.	1. Yes 2. No	
1.3	Quadratic functions and their graphs	1. Yes 2. No	
1.4	The discriminant of a quadratic function.	1. Yes 2. No	
1.5	Completing the square. Solution of quadratic equations.	1. Yes 2. No	
1.6	Solve simultaneous equations; analytical solution by substitution	1. Yes 2. No	
1.7	Interpret linear and quadratic inequalities graphically	1. Yes 2. No	
1.8	Represent linear and quadratic inequalities graphically	1. Yes 2. No	
1.9	Solutions of linear and quadratic inequalities	1. Yes 2. No	
1.10	Algebraic manipulation of polynomials, including expanding brackets and collecting like terms, factorisation	1. Yes 2. No	
1.11	Graphs of functions; sketching curves defined by simple equations. Geometrical interpretation of algebraic solution of equations. Use of points of intersection of graphs to solve equations.	1. Yes 2. No	
1.12	Knowledge of the effect of simple transformations on the graph of $y = f(x)$ as represented by $y = af(x)$, $y = f(x) + a$, $y = f(x + a)$, $y = f(ax)$.	1. Yes 2. No	
2.1	Equation of a straight line, including the forms $y - y_1 = m(x - x_1)$ and $ax + by + c = 0$.	1. Yes 2. No	
2.2	Conditions for two straight lines to be parallel or perpendicular to each other	1. Yes 2. No	
3.1	The sine and cosine rules, Including the ambiguous case of the sine rule and the area of a triangle in the form $\frac{1}{2}ab \sin C$.	1. Yes 2. No	
3.2	Radian measure, including use for arc length and area of sector	1. Yes 2. No	
3.3	Sine, cosine and tangent functions. Their graphs, symmetries and periodicity.	1. Yes 2. No	
4.1	The derivative of $f(x)$ as the gradient of the tangent to the graph of $y = f(x)$ at a point; the gradient of the tangent as a limit; interpretation as a rate of change; second order derivatives.	1. Yes 2. No	
4.2	Differentiation of x^n and related sums, differences and constant multiples	1. Yes 2. No	
4.3	Applications of differentiation to gradients, tangents and normals.	1. Yes 2. No	
5.1	Integration	1. Yes 2. No	