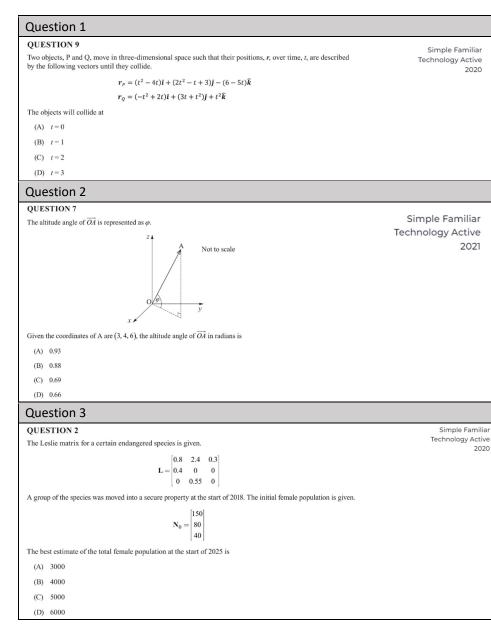
\hat{p} r $\sigma \hat{j}e$ c $au^{^{152}}$

Phase 4

Tech Active



Question 4

QUESTION 11 (4 marks)		Simple Familiar Technology Active
OABC is a triangular-based pyramid, as shown.		2021
A(1, 2, 5) A(1, 2, 5) C(0, 5, 2) C(0, 5, 2) Not to scale Use a vector method to determine the area of the shaded face of the pyramid.		
Question 5		
QUESTION 15 (5 marks)		Simple Familiar
Consider points $A(3, -1, 3)$ and $B(1, 1, 6)$.		Technology Active
a) Determine \overrightarrow{AB} .	[1 mark]	2022
b) Determine the Cartesian equation of the line that passes through points A and B.	[2 marks]	
Point A lies on the plane, φ , and \overrightarrow{AB} is perpendicular to this plane.		
c) Determine the Cartesian equation of the plane.	[2 marks]	