MCV4U
Ontario Educational Resources Bank (OERB) Activities

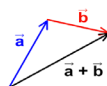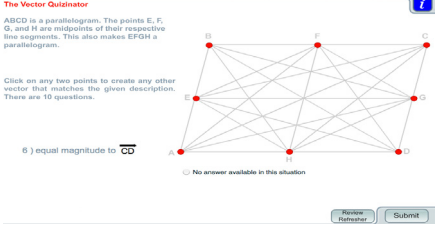| Derivatives and Their Applications	
Activity	**Description**
Computing Derivatives **Resource ID: ELO1090660**	Practise computing derivatives by completing a set of multiple choice questions dealing with the derivative rules applied to polynomial, trigonometric, and exponential functions.
Identifying Derivatives **Resource ID: ELO1081450**	Build understanding of the derivative function for polynomials by using an applet that generates graphs from the slope values at various points while sliding along the curve. Practise connecting the graph of a polynomial to the graph of its derivative function by completing a matching quiz.
Geometry and Algebra of Vectors	
Activity	**Description**
Adding Victor's Vectors **Resource ID: ELO1178320**	Build understanding of vector addition by viewing an interactive tutorial showing a number of worked examples of real-life applications. Practise applying this knowledge by solving similar vector addition problems.
Vector Addition **Resource ID: ELO1197530**	Practise adding two vectors by dragging given vectors into position to show the component vectors and the resultant vector properly aligned.

MCV4U
Ontario Educational Resources Bank (OERB) Activities

Geometry and Algebra of Vectors (continued)	
Activity	**Description**
Vector Connector **Resource ID: ELO1080050**	Practise identifying equivalent, parallel and equal magnitude vectors by completing an interactive quiz after an interactive review of these topics.