Learning Objective:

- understand vectors as quantities having length and direction, independent of position

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Key Equation(s) or Formula(s):

Notes (3+ sentences or ideas):

Examples with explanations (2+):

Learning Objective:

- perform basic vector operations (addition, subtraction, scalar multiplication)

Key Equation(s) or Formula(s):

Notes (3+ sentences or ideas):

Examples with explanations (2+):
At least one of each operation

Learning Objective:

- perform the dot product and cross product of vectors

Key Equation(s) or Formula(s):

Notes (3+ sentences or ideas):

Examples with explanations (2+):
At least one of each operation

Learning Objective:

- recognize when two vectors are orthogonal and use the normal vector to find the equation for a plane in three dimensional space

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Key Equation(s) or Formula(s):

Notes (3+ sentences or ideas):

Examples with explanations (2+):

Learning Objective:

Other Important Concepts (at least one):

Key Equation(s) or Formula(s):

Notes (3+ sentences or ideas):

Examples with explanations (2+):