Linear Equations
Quadratic Equations
Systems of linear equations
Vectors
Trigonometry





t





















Uniform Motion (Constant velocity) X = V t Uniformly Accelerated Motion (Constant acceleration)

X = Area = V x t

 $X = Vo t + \frac{1}{2} (V-Vo) t$ 

X = Area1 + Area2

V = Vo + a t









# MAT 1033 : Systems of Linear Equations in two Equations and two variables

#### Solve ax + by = cdx + ey = f

where x and y are variables and a, b, c, d, e, f are constant

Cases





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#### Learning Outcomes at MDC

- 1. Communication
- 2. Quantitative Analysis
- 3. Critical/Creative Thinking and Scientific Reasoning
- 4. Information Literacy
- 5. Global, Cultural, and Historical Perspectives
- 6. Personal, Civic, and Social Responsibility
- 7. Ethical Thinking
- 8. Computer and Technology Usage
- 9. Aesthetic Appreciation
- 10.Natural Systems and the Environment

