

Topic: Unit 3: Linear Functions

Days: 12

Subject(s):

Grade(s):

Key Learning: The need to formulate linear equations, interpret and determine the reasonableness of the solutions.



Unit Essential Question(s): How are linear equations and linear graphs used to resolve real world problems?

<p>Concept: Graphing</p>	<p>Concept: Algebraic</p>	<p>Concept: Real World Applications</p>
<p>Lesson Essential Question(s): How do you graph linear equations? (A)</p> <p>How do you model and solve linear equation by graphing ? (A)</p> <p>How do you solve problems involving direct variation and show it graphically? (A)</p>	<p>Lesson Essential Question(s): How do find the slope(rate of change) of a line and use rate of change to solve problems? (A)</p>	<p>Lesson Essential Question(s): How do you model proportional and non proportional relationships into linear functions? (A)</p> <p>How do you understand and determine relations? (A)</p> <p>How do understand and determine functions? (A)</p>
<p>Vocabulary: linear equation, standard form, constant, x-intercept, y-intercept, linear function, parent function, family of graphs, root, zeros, direct variation, constant of variation, constant of proportionality, Review Vocabulary: equivalent equations, linear equations</p>	<p>Vocabulary: rate of change, slope</p>	<p>Vocabulary: coordinate system, x-axis and y-axis, origin, ordered pair, relation and domain and range, independent and dependent variable, function</p>

Additional Information:
Sections 1.6, 1.7 and 3.1, 3.2, 3.3, 3.4, 3.6

Attached Document(s):

Vocab Report for Topic: Unit 3: Linear Functions
Subject(s):

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Concept: Graphing

linear equation, standard form, constant, x-intercept, y-intercept, linear function, parent function, family of graphs, root, zeros, direct variation, constant of variation, constant of proportionality -
Review Vocabulary: equivalent equations, linear equations -

Concept: Algebraic

rate of change, slope -

Concept: Real World Applications

coordinate system, x-axis and y-axis, origin, ordered pair, relation and domain and range, independent and dependent variable, function -