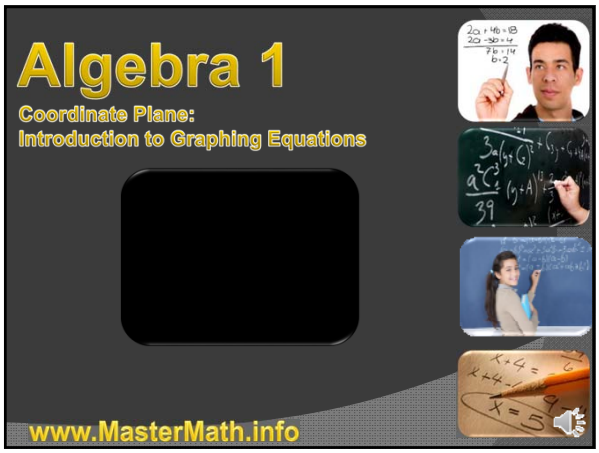
Algebra 1
Coordinate Plane:
Introduction to Graphing Equations
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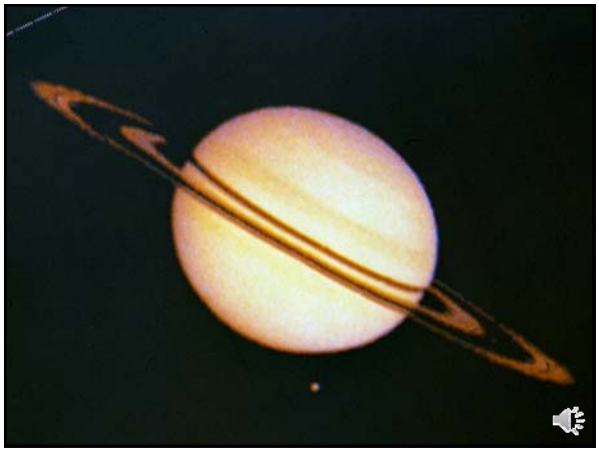
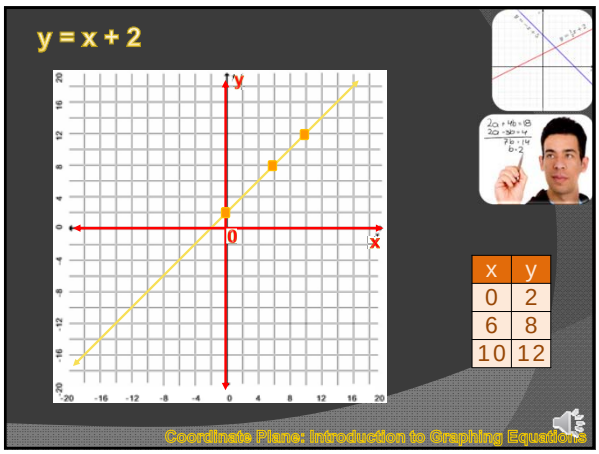
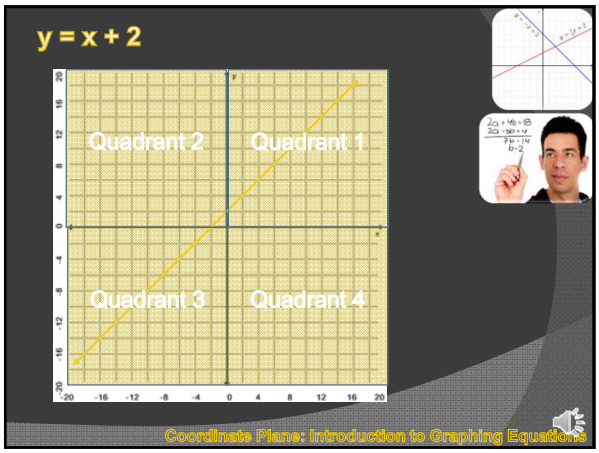
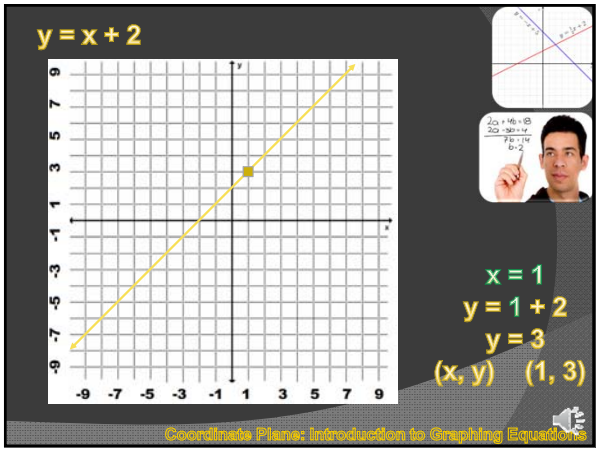



y = x + 2
y
x
0
x y
0 2
6 8
10 12
Coordinate Plane: Introduction to Graphing Equations


y = x + 2
Quadrant 2
Quadrant 1
Quadrant 3
Quadrant 4
Coordinate Plane: Introduction to Graphing Equations


y = x + 2
x = 1
y = 1 + 2
y = 3
(x, y) (1, 3)
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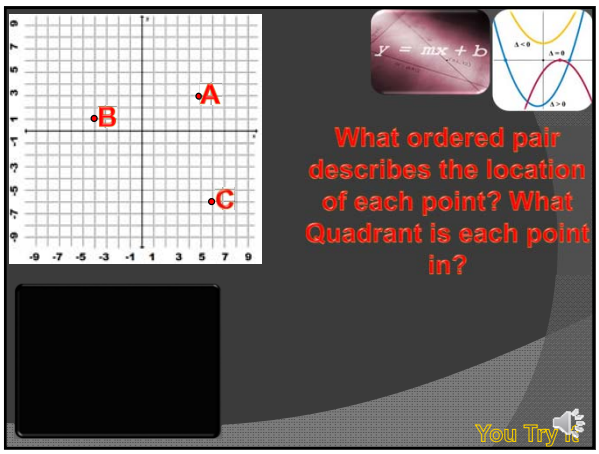
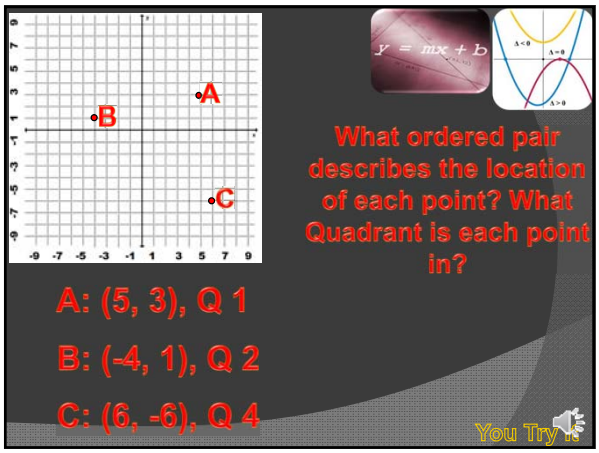
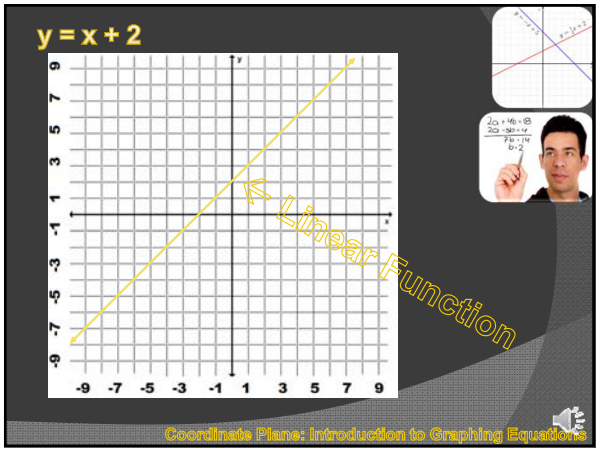
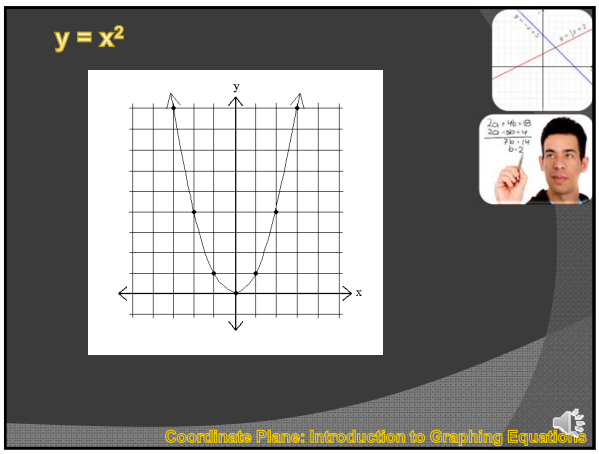

A
B
C
y = mx + b
What ordered pair describes the location of each point? What Quadrant is each point in?
You Try It


A
B
C
What ordered pair describes the location of each point? What Quadrant is each point in?
A: (5, 3), Q 1
B: (-4, 1), Q 2
C: (6, -6), Q 4
You Try It!


y = x + 2
Linear Function
Coordinate Plane: Introduction to Graphing Equations


y = x²
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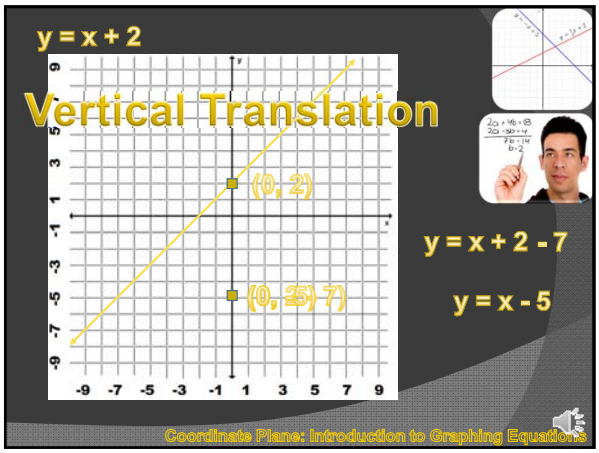
y = x + 2
Vertical Translation
(0, 2)
(0, 2 - 7)
y = x + 2 - 7
y = x - 5
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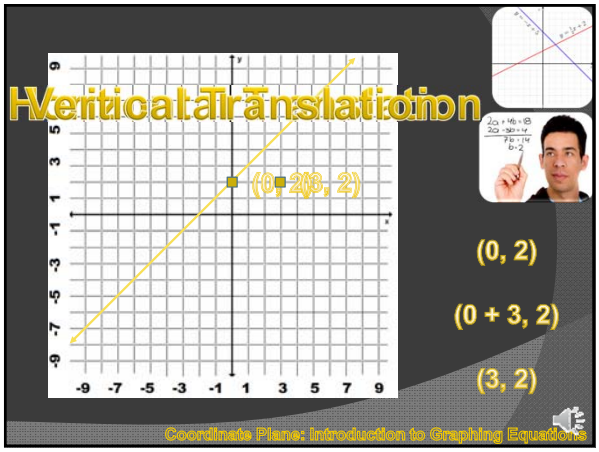
Vertical Translation
(0, 2)
(0, 2)
(0 + 3, 2)
(3, 2)
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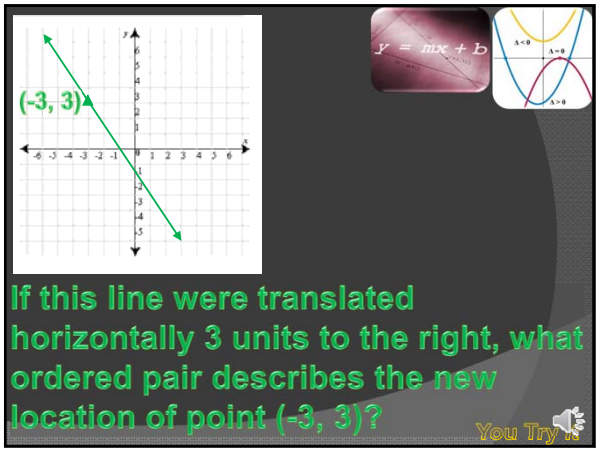
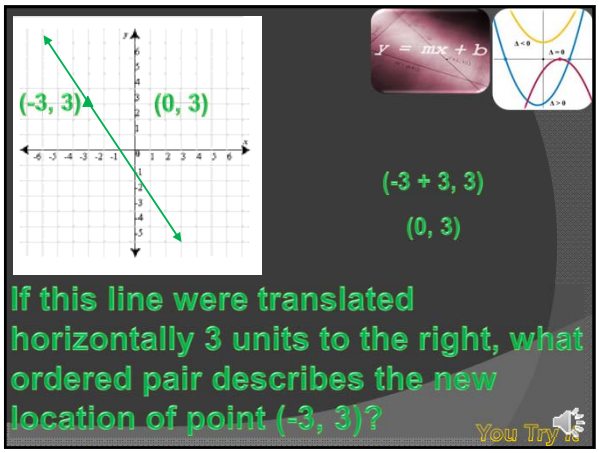
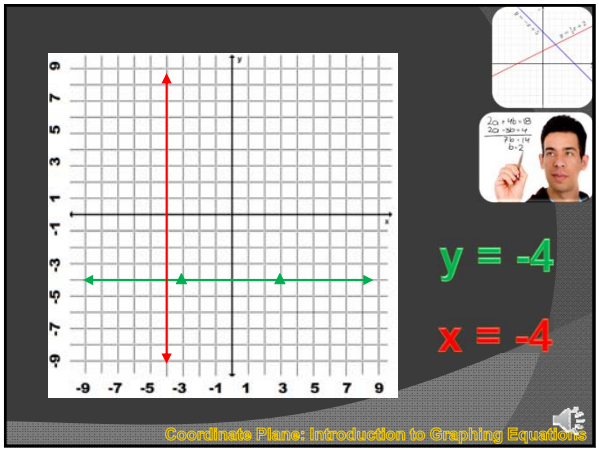
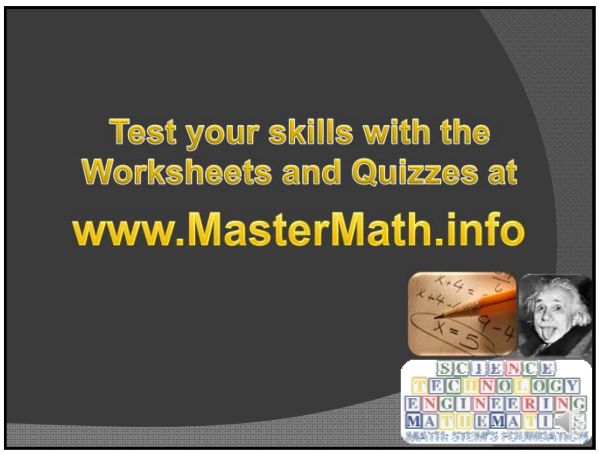

(-3, 3)
y = mx + b
If this line were translated horizontally 3 units to the right, what ordered pair describes the new location of point (-3, 3)?
You Try It


(-3, 3)
(0, 3)
y = mx + b
(-3 + 3, 3)
(0, 3)
If this line were translated horizontally 3 units to the right, what ordered pair describes the new location of point (-3, 3)?
You Try It


y = -4
x = -4
Coordinate Plane: Introduction to Graphing Equations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