

Lesson 3 - Curve Fitting and Applications

LEARNING GOALS:

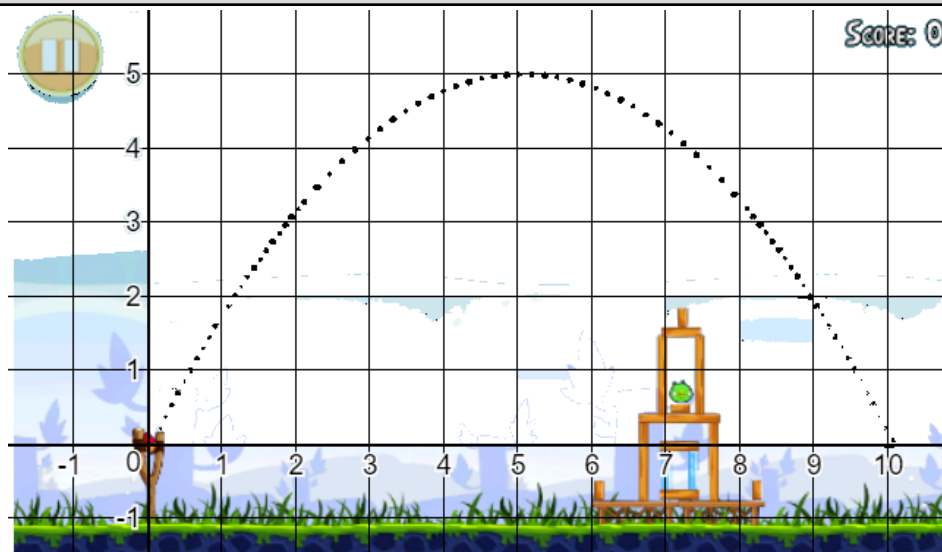
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The path of any projectile can be modelled with a _____

Key Features as they Pertain to Real World Situations

| Key Feature | Significance in Projectile Motion Problems |
|-------------------------|--|
| Vertex | |
| Minimum / Maximum Value | |
| Axis of Symmetry | |
| y-intercept | |
| x-intercepts | |
| Zeros/Roots | |

Diagram (Label me)



CURVE FITTING:

The procedure for curve fitting:

- 1.
- 2.
- 3.
- 4.

Fit curves to the following diagrams, then state their key features:

| Feature | Value | | |
|-------------------------|-------|--|--|
| Vertex | | | |
| Minimum / Maximum Value | | | |
| Axis of Symmetry | | | |
| y-intercept | | | |
| x-intercepts | | | |
| Zeros/Roots | | | |

