A2: Quadratics in Context Review

Basketball: Vertex at 1.72 Seconds

Baseball: Quadratic Formula 🡪 3.08 seconds

Rugs: Vertex, Price at $250, Profit: $3000

Tennis: 6 seconds the ball is at -284 ft (makes no sense….)

Ball is 6ft in air, set it equal to 6ft and use QuadForm… 2.95 sec and .04 sec

Juggling – Vertex 🡪 29ft

Skip Civil Engineering

Angry Birds – QuadForm to find 43.08 ft is the x-intercept. Max height find the vertex.. 18.09 ft.

Rocket

Y = -5/9(x-4)2 + 8

Zeros are where the rocket started and hit the ground.

Changes direction at the vertex, 4 seconds

Max height is 8ft

Rocket is at 3 yds, during 1 second and 7 seconds.