Activity 2 of Lesson 5: Derive the Equation of a Parabola with p = 3 and Vertex (7, 0)

Use the Pythagorean Theorem and the definition of a parabola to derive an equation for the parabola with $\mathbf{p} = \mathbf{3}$ and **vertex** (7, 0). Make note of anything that makes this parabola harder to work with than if the vertex was at the origin.

