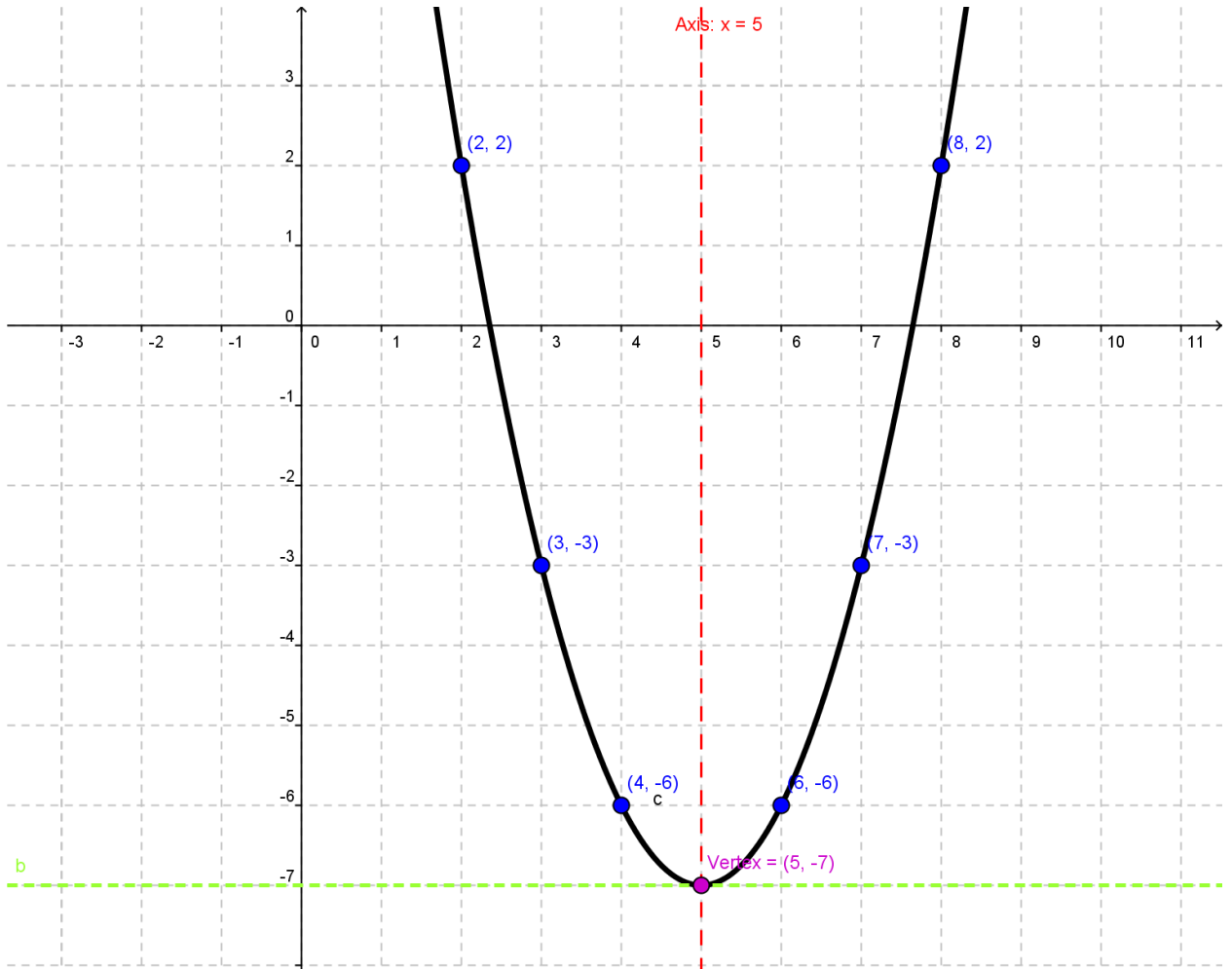


1. Vertex: $(5, -7)$
Axis of symmetry: $x = 5$
Opens UP
Compare width to $y = x^2$: SAME

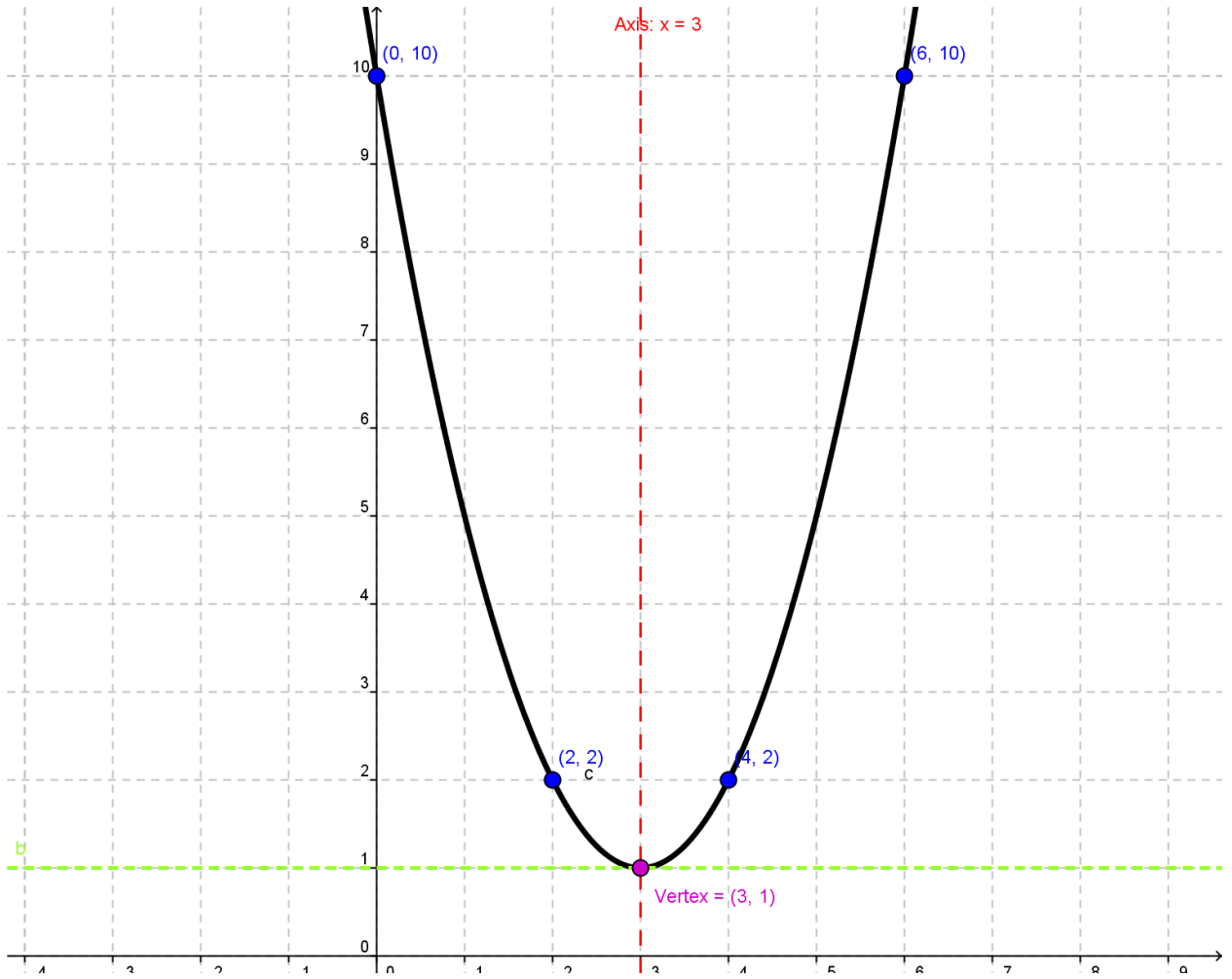


2. Vertex: $(3, 1)$

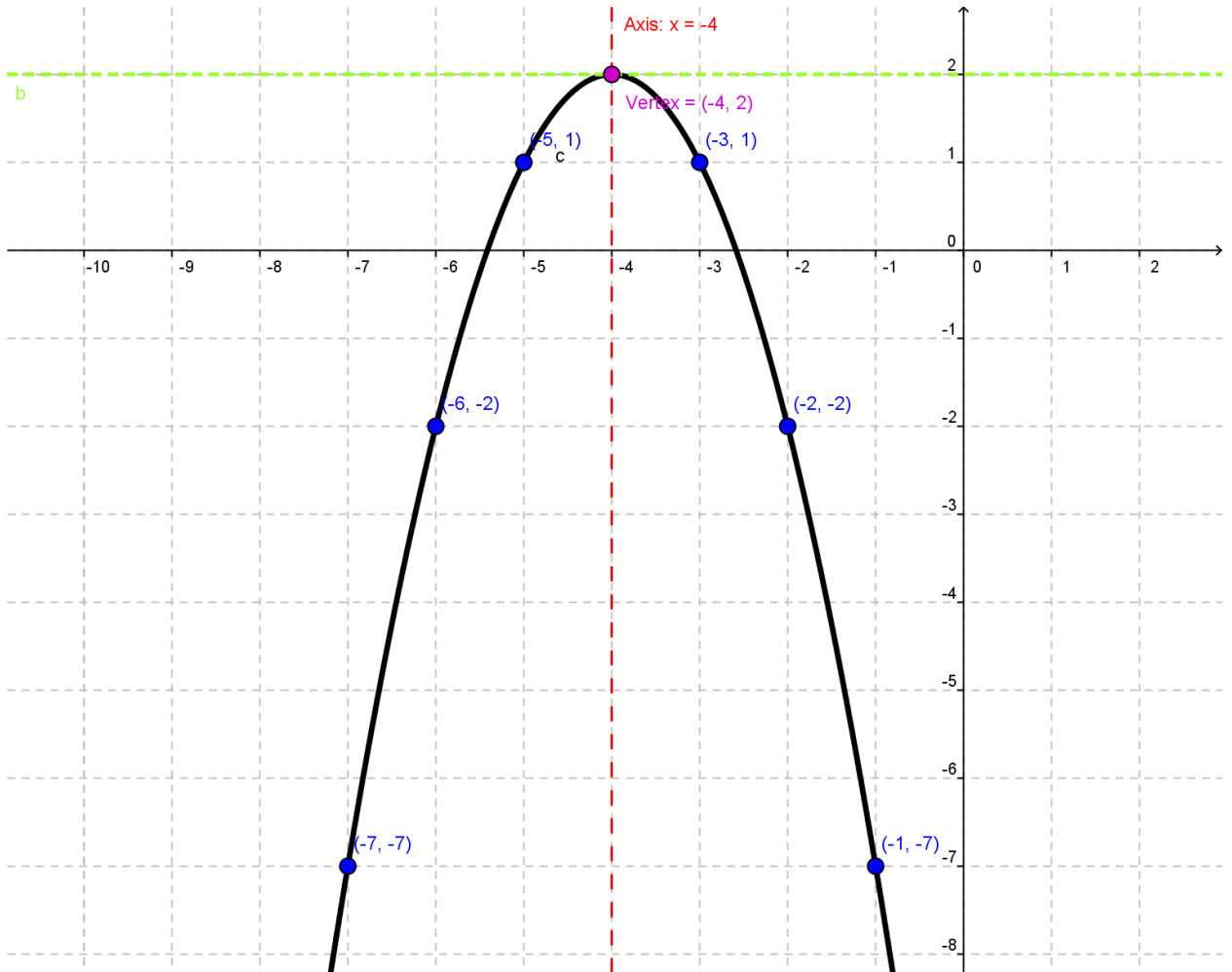
Axis of symmetry: $x = 3$

Opens UP

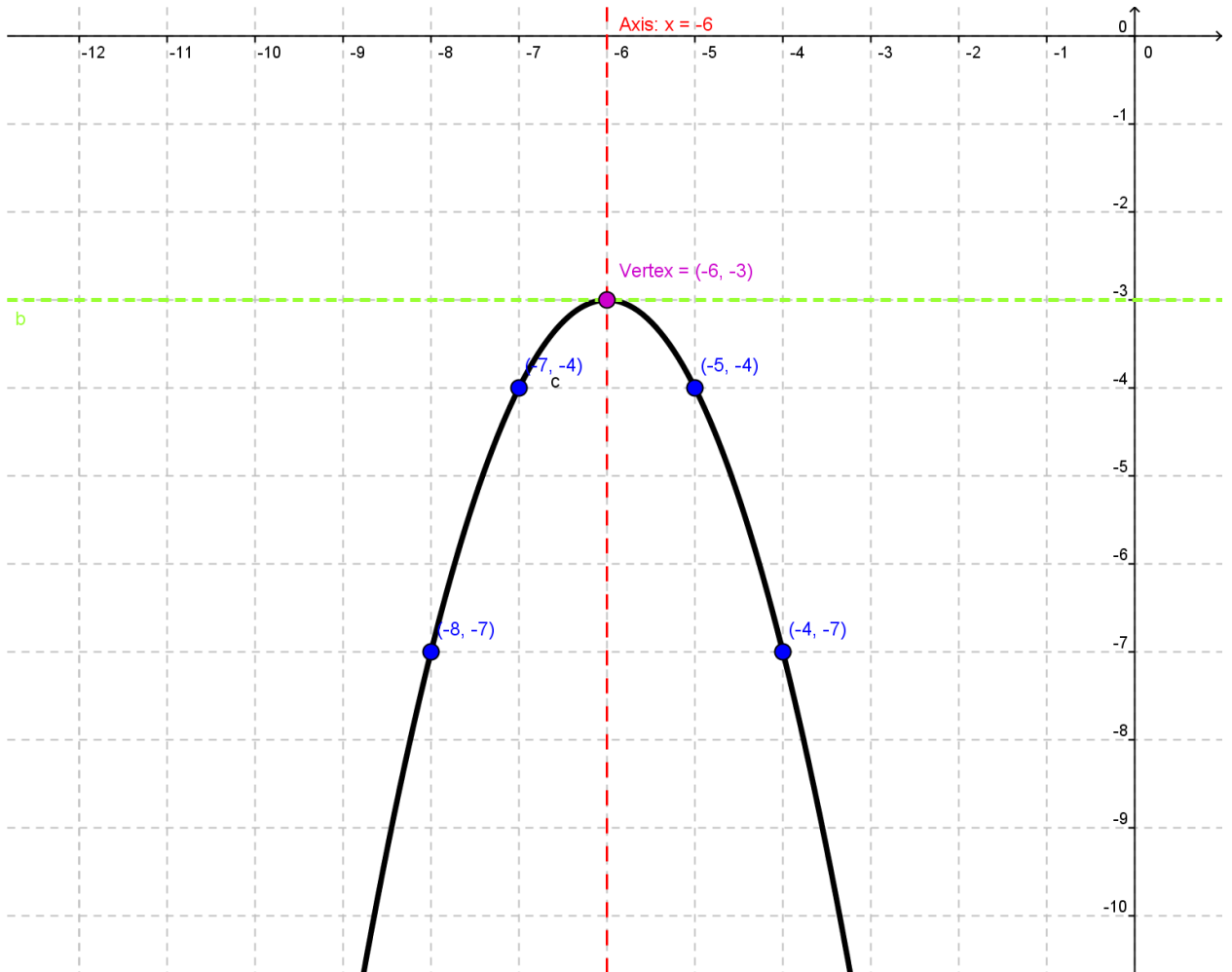
Compare width to $y = x^2$: SAME



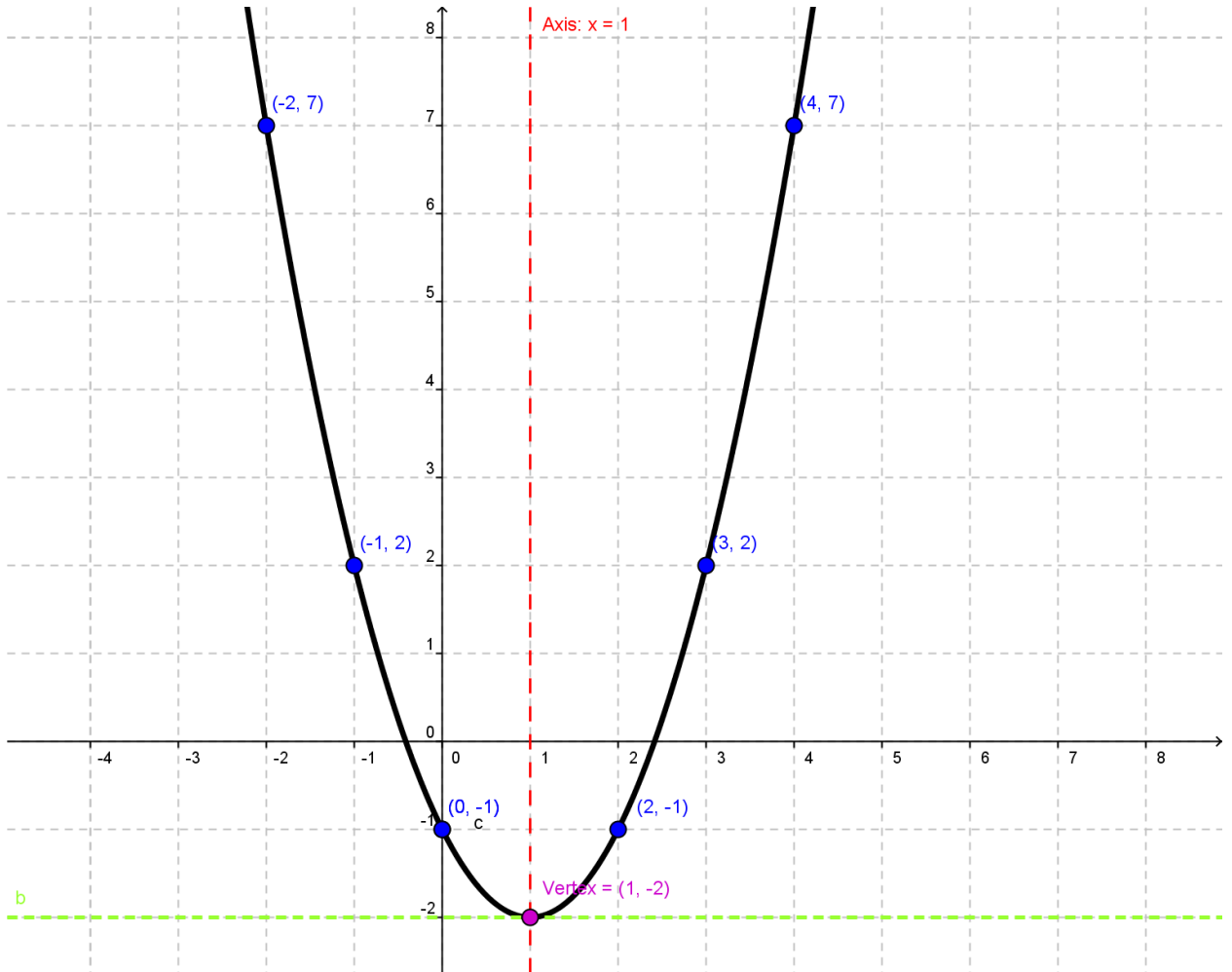
3. Vertex: $(-4, 2)$
Axis of symmetry: $x = -4$
Opens DOWN
Compare width to $y = x^2$: SAME



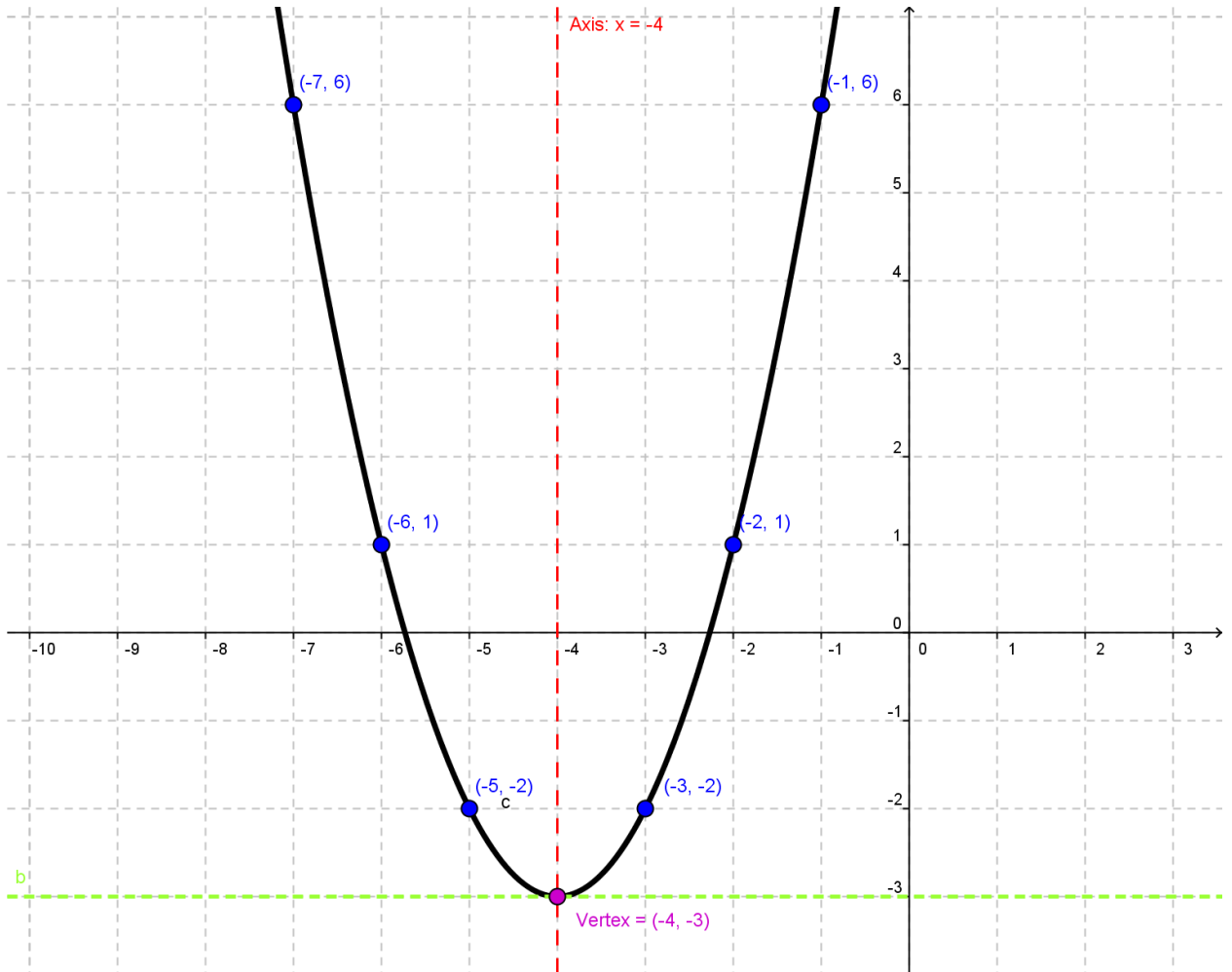
4. Vertex: $(-6, -3)$
Axis of symmetry: $x = -6$
Opens DOWN
Compare width to $y = x^2$: SAME



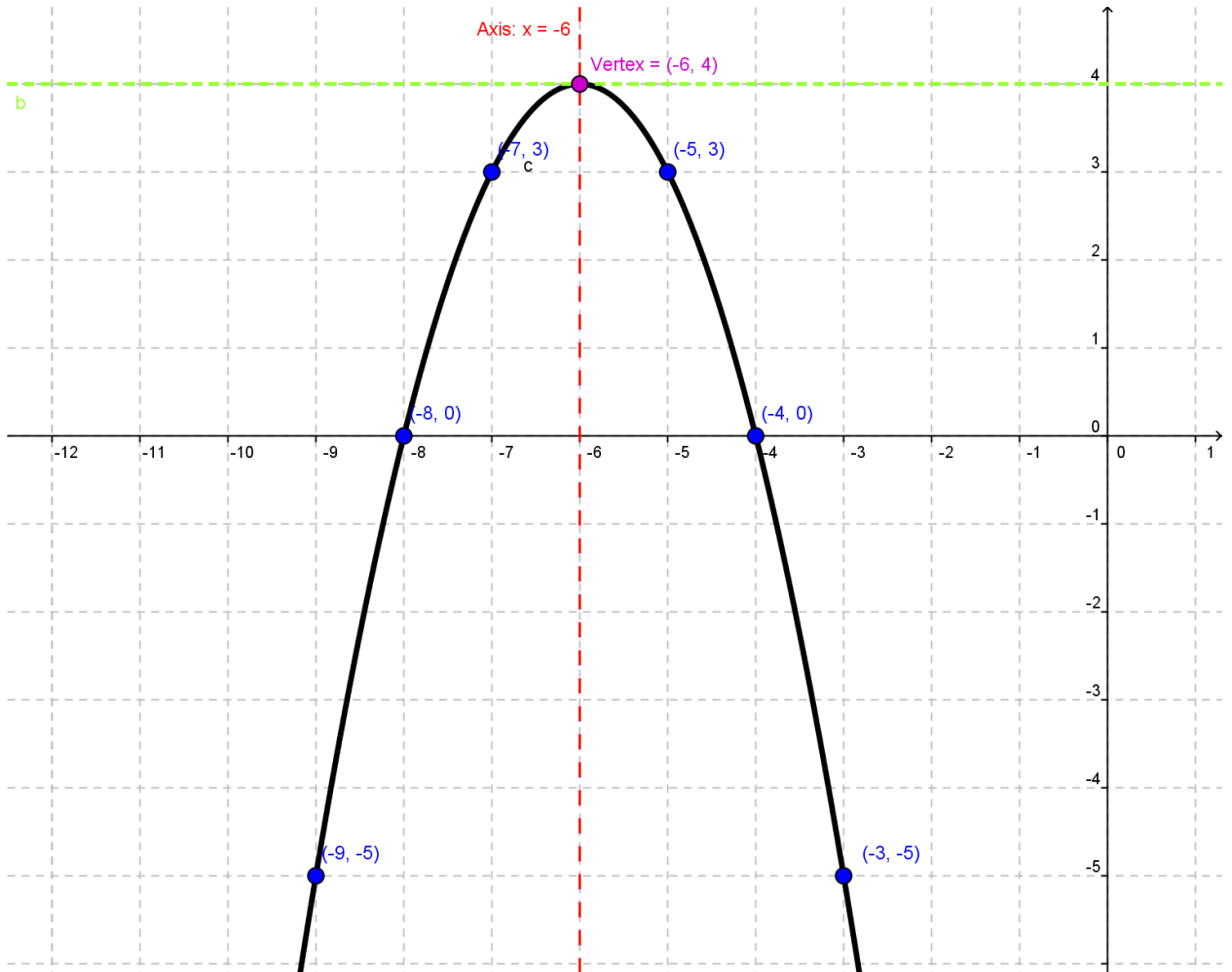
5. Vertex: $(1, -2)$
Axis of symmetry: $x = 1$
Opens UP
Compare width to $y = x^2$: SAME



6. Vertex: $(-4, -3)$
Axis of symmetry: $x = -4$
Opens UP
Compare width to $y = x^2$: SAME



7. Vertex: $(-6, 4)$
Axis of symmetry: $x = -6$
Opens DOWN
Compare width to $y = x^2$: SAME



8. Vertex: $(5, -2)$
Axis of symmetry: $x = 5$
Opens DOWN
Compare width to $y = x^2$: SAME

