

## Quadratic Transformations – (h,k) Demos Activity

### Description

Use this lesson to help students discover how the values of  $h$  and  $k$  effect the graph of a quadratic function in vertex form.

---

### Prep Work

Start a session of the activity.

<https://teacher.desmos.com/activitybuilder/custom/57504314c0e14b15066700f9>

---

### Instructions

- **Pre Activity**

Have students go to [student.desmos.com](https://student.desmos.com) and create an account or sign in.

- **Activity**

Have each student work through the activity. Be aware some students may get stuck on some screens so move around and answer questions as needed.

- **Post Activity**

Review a few of the screens with the class using the teacher login.

---

### Time Required

30-45 minutes

---