SketchUp

# Training Series

## The Rotate Tool

### Fill in the Blank Questions

**Instructions:**

1. Watch the SketchUp Training Series Video about the SketchUp Rotate Tool on the class website.
2. Download and save to your computer a copy of the fill in the blank questions concerning the Rotate Tool that you will find beside the video.
3. Open the fill in the blank questions document on your computer.
4. In each of the click to fill spaces, fill in the appropriate response in the blank.
5. Save your completed copy of this document to your computer.
6. Go to the class website and log in to the website.
7. Navigate to the Submitting Your Work page.
8. Select the submit button for your class period and Navigate to your saved document…
9. Upload The Rotate Tool-Fill in the Blank Questions to the website for grading.
10. I will receive an email when I receive your work .
11. You may look for your grade on this project on Focus by the end of that week.
12. You may email me if you don’t see your grade recorded on Focus by Saturday morning of that week.

**Today’s Questions:**

1. Let's explore the Rotate tool using some examples to Click or tap here to enter text. how it works
2. When you pick the Rotate tool the icon Click or tap here to enter text. itself to any surface that you hover over.
3. Using the Rotate tool involves Click or tap here to enter text. of the mouse. Let's explore how this works.
4. Begin by Click or tap here to enter text. the object you want to rotate.
5. Now click your mouse button once to set the Click or tap here to enter text. and orientation.
6. Then move your mouse away to establish a Click or tap here to enter text. and click again to rotate the object by that arm.
7. Click a third Click or tap here to enter text.. That is how the Rotate tool works.
8. Let's look into some additional examples. What if you wanted to rotate the Click or tap here to enter text. of a clock?
9. Select the hand that you would want to rotate first, then choose the Rotate tool and move it to the Click or tap here to enter text..
10. Click here to set the Click or tap here to enter text. \_.
11. Move to the end of the hand and click to establish a meaningful Click or tap here to enter text..
12. Now you can rotate the hand to any position you need and Click or tap here to enter text..
13. Select the hand, click once to set the Click or tap here to enter text., click on the tip of the hand as the point to rotate with, and watch as you move around that you can reference other geometry to rotate very precisely.
14. Click to Click or tap here to enter text..
15. Now let's try a new example. We'd like to rotate this vault door into an Click or tap here to enter text..
16. Select the door then move the Rotate tool to the Click or tap here to enter text.
17. We may need to zoom in to properly place the Click or tap here to enter text..
18. Simply roll your Click or tap here to enter text. forward to zoom in and out as needed.
19. Now place the \_ Click or tap here to enter text..
20. In this example we don't need to move from anywhere specific on the door, but simply picking a direction Click or tap here to enter text. will work fine.
21. Now rotate the door outward, and Click or tap here to enter text. .
22. Now that you understand how to use the Rotate tool, here are some additional tips. You can Click or tap here to enter text. the rotate orientation in any direction by holding the Shift key.
23. Hover over a surface or in a plane that you want to lock the rotation to, hold the \_ Click or tap here to enter text., and now as you move around the Rotate tool no longer orients to each surface, but remains locked in one orientation.
24. In our clock example if there were a center cone it would be difficult to establish the Click or tap here to enter text. \_.
25. But by locking the orientation we can easily use the Click or tap here to enter text. as needed.
26. You can also define the orientation by Click or tap here to enter text. your mouse button.
27. Say we wanted to fold the surface up like a Click or tap here to enter text..
28. Click and drag the mouse from the center point and you can see by dragging around, you can choose any Click or tap here to enter text..
29. Set the orientation you need, which for us is along this Click or tap here to enter text. \_.
30. Now proceed to rotate the surfaces up into the Click or tap here to enter text..
31. Now repeat this process to complete the Click or tap here to enter text. \_.
32. Finally, you can rotate Click or tap here to enter text. using the Rotate tool. This topic is covered in depth in another video, so for more information view the video on copies and arrays.