

The files you need to complete Exercise 6 can be downloaded from ImageMedic.com. The zip file will create a folder called “Exercise 6 Files.”

Exercise 6a - Using the New Correct Camera Distortion Filter (Page 300, Brundage book)

This filter is new in Photoshop Elements 6. It can help you easily fix distortions that are introduced into your images because of lens aberrations or just how you are taking the photo. For example, buildings seem to fall back when you tilt your camera up to get it all in.

1. From your “**Exercise 6 Files**” folder, you have two files (*01-Distortion.jpg*, and *02-Distortion.jpg*) that you can experiment with using the **Correct Camera Distortion Filter**. This filter is found in the **FILTER** menu.
2. Experiment with each picture. Fix these as best you can so as not to have the buildings appear as if they were falling back or skewed. The main controls you will use to fix the distortion will be in the **PERSPECTIVE CONTROLS** section of the Camera Distortion Filter. For the **ANGLE** correction, you can make very fine corrections by highlighting/selecting the data within the angle degree entry field and then pressing the right and left arrow keys. If you hold the **SHIFT** key while doing this, you can change the angle by larger increments.
3. When satisfied with each the changes you made within the Correct Camera Distortion Filter, click **OK** to take the corrected image back into the Elements editor. Remember, though, that you will need to crop out any empty areas that have emerged due to the distortion corrections.

Exercise 6b - Fixing Distortions Due to Super-Wide Angle Lenses

4. Open the file, “*03-Fisheye Distortion.jpg*”.
5. This photo was taken with a super-wide angle lens called a Fisheye lens. The girls face looks bloated due to the perspective distortion introduced by using this type of lens. You can fix this type of distortion somewhat by using the **Correct Camera Distortion Filter** and using the *Remove Distortion* slider at the top.

Exercise 6c - The Free Transform Tool

6. Open the file, “*04-Free Transform.jpg*”.
7. Select **menu:IMAGE>TRANSFORM>FREE TRANSFORM (or shortcut: COMMAND-T)**
8. Notice the “handles” on the corners and on the centers of each side of the image.
9. You can **FREE ROTATE** the image by dragging the handles in and out. You can **SCALE** not by grabbing a handle, but getting *real close* to a handle until a little curved double arrow appears. Then drag to rotate.
10. Finally, you can freely fix any distortion in any direction using by **CONTROL-DRAGGING** a handle. You will know you’re in the correct mode when your cursor arrow changes to a *grey arrowhead*. When finished, click on the green **CHECKMARK** at the bottom to commit the changes. Don’t forget that you may have to do some cropping after the free transform.