

Student Name: _____

DRAWING
USING
PERSPECTIVE
TECHNIQUES

One and Two Point

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Today you are going to learn how to draw a city
and a house using what are called

PERSPECTIVE TECHNIQUES.

You are going to use one and two point perspective to draw boxes. When you finish, you will be able to identify and draw the horizon line, vanishing points, and receding lines in a picture, and you will learn why perspective techniques are useful.

The directions will be on each page. Do not turn the page until you are told to do so, but feel free to look back to review what you've already done!

Use the provided pencil to draw unless you are otherwise instructed.

Most importantly,

do your best
and have fun!

Turn the page...

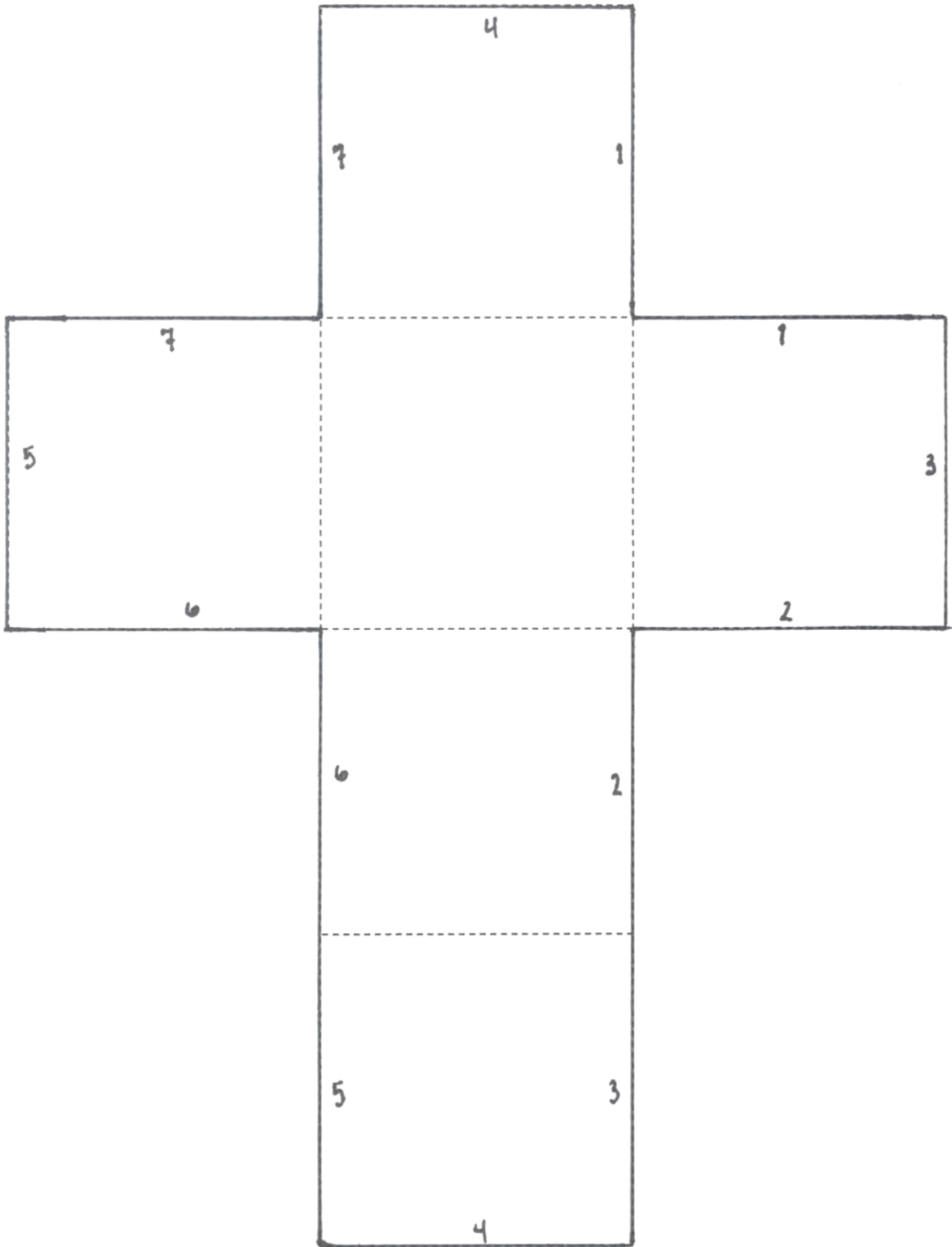
The first activity that you will get to do is:

Draw a box without the perspective techniques so that you can compare your first drawing to the one you do using the perspective.

On the next page you will find a “box cutout”
(it is shaped like a cross)

1. Cutout the solid lines, and
2. Fold it along the dotted lines.
3. Tape the sides with the matching numbers together to form a cube.

Turn the page...



When you are finished, turn the page...

PRETEST

Place the finished box in front of you so that you are looking at the flat side of the box (not the corner), and

Draw what you see below (it doesn't have to be perfect).

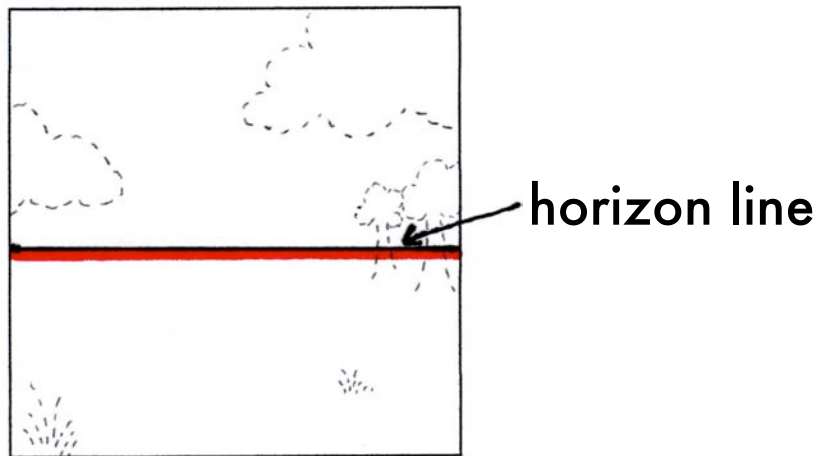
When you are finished drawing, turn the page...

One Point Perspective will help you to draw the box again, but it will help to make your drawing better.

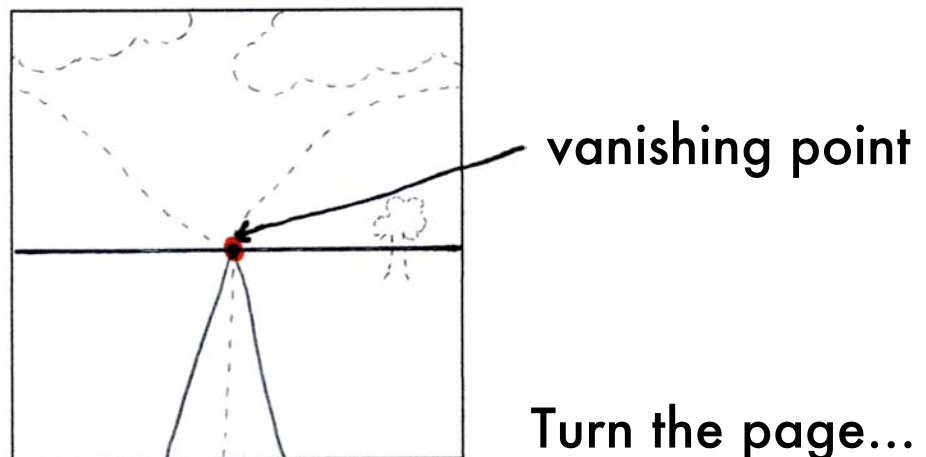
ELEMENTS OF ONE POINT PERSPECTIVE

This is how to draw using one point perspective. Learn the terms; on the next page you will have to identify them. Don't worry too much about the steps, you will use them later, and you can come back to them.

Step one... draw the **horizon line**. The horizon line is the line that divides the land from the sky.

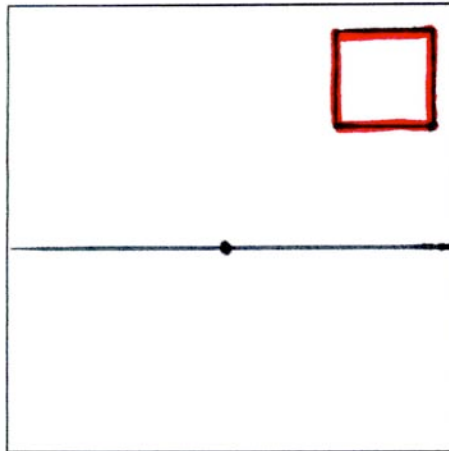


Step two...draw a point or dot on the horizon line. This dot is called the **Vanishing Point**.

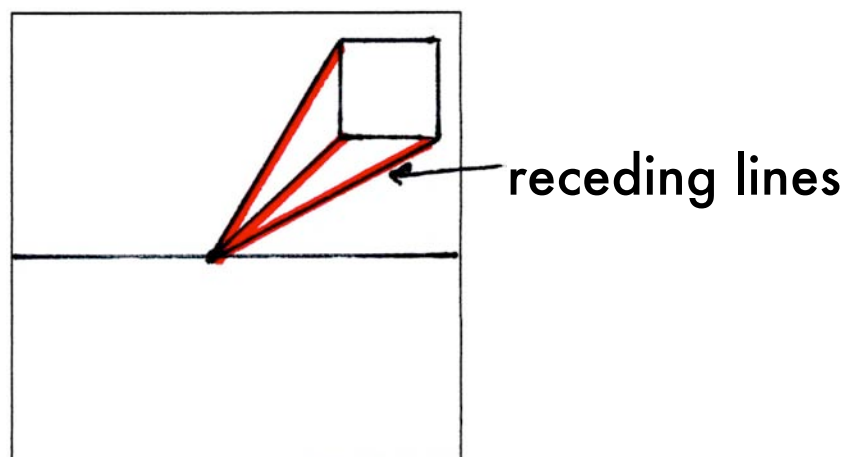


Turn the page...

Step three...draw a box using a ruler.

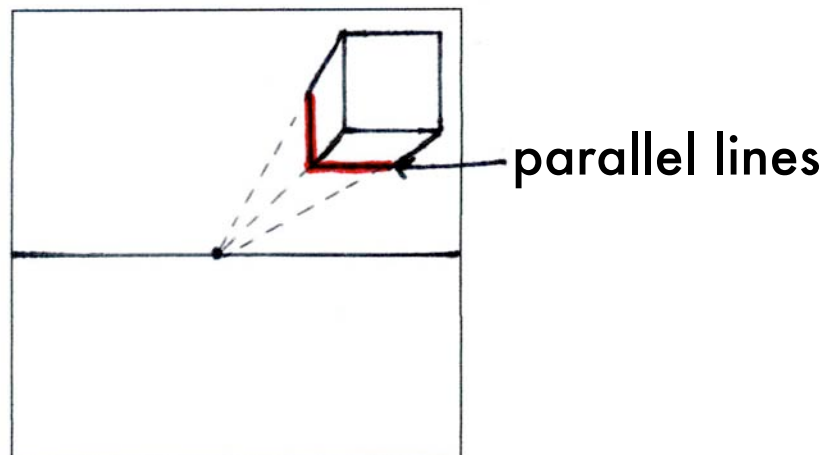


Step four... draw lines from each of the corners to the vanishing point. These lines that connect to the vanishing point are called **receding lines**.

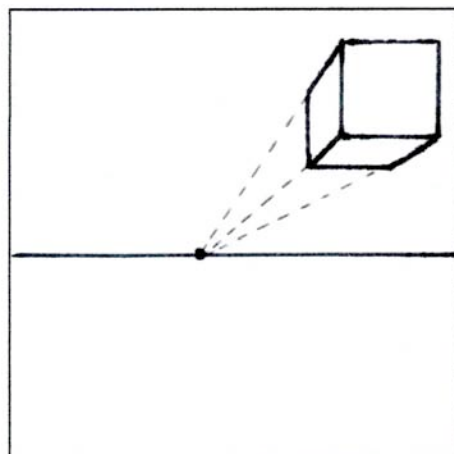


Turn the page...

Step five... draw lines that are parallel to the sides of the box. Make sure that these lines are drawn between two of the receding lines.



Step six... now you can erase the parts of the receding lines that are connecting your box to the vanishing point.

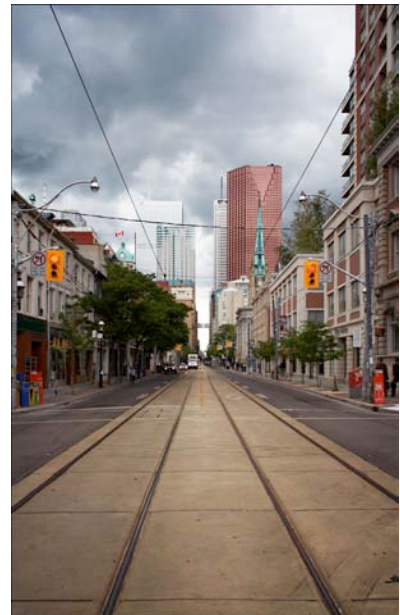
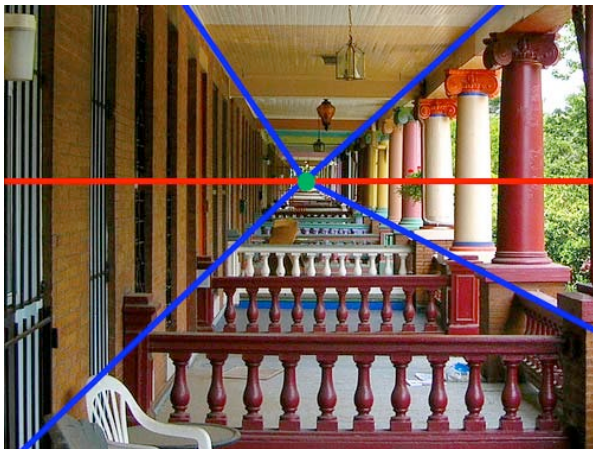


Once you understand the terms, turn the page...

IDENTIFYING THE ELEMENTS

Look back at the previous pages for the definitions again.

1. Trace the **receding lines** in these pictures with a **blue** marker.
2. Trace the **horizon line** in these pictures with a **red** marker.
3. Mark the **vanishing point** in these pictures with a **green** marker (remember that it is where all of the receding lines would connect if they all met on the horizon).



Turn the page...

YOU TRY!

Draw the box cutout again using one point perspective.

1. Start with the horizon line
2. then the vanishing point
3. next the box
4. then the receding lines
5. and the parallel lines
6. erase the receding lines

Don't forget to use a ruler to make all of your lines straight!

Go back to the steps on pages 6, 7, and 8 to see what you are supposed to be drawing (Yours should look like the solid lines that are drawn in the boxes—only bigger!)

Draw your box on the next page...

When you are finished drawing, turn the page...

FOLLOW-UP QUESTIONS

Does your box look more realistic than it did before? (circle one)

Yes

No

Why do you think that is? List three reasons why you picked the answer for the last question (there are no wrong answers).

1.

2.

3.

When you are finished, turn the page...

PRETEST

Now,

1. Place the box cutout on the table so that the corner is facing you
2. Draw what you see. Don't use one point perspective, it won't work very well, **just draw what you see** (it doesn't have to be perfect).

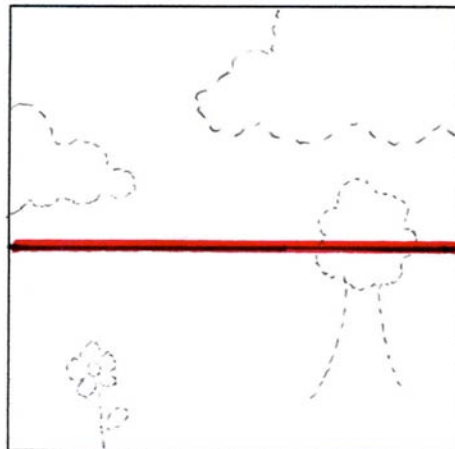
When you are finished drawing, turn the page...

Like One Point Perspective, Two Point Perspective will help you to draw the box better, this time it will help you draw the box so that you are looking at the corner of the box.

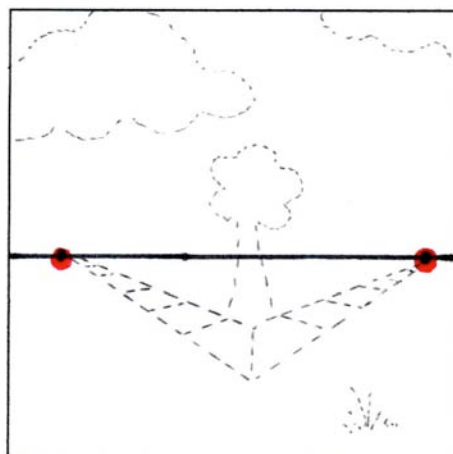
ELEMENTS OF TWO POINT PERSPECTIVE

This is how to draw using two point perspective. Learn the terms; on the next page you will have to identify them. Don't worry too much about the steps, you will use them later, and you can come back to them.

Step one... draw the **horizon line**. The horizon line is the line that divides the land or sea from the sky.

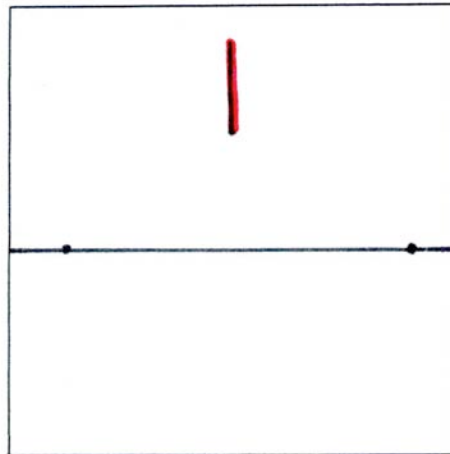


Step two...draw two points or dots on the horizon line. These dots are called the **Vanishing Points**.

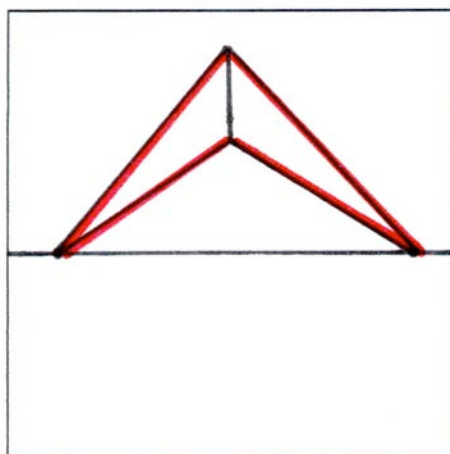


Turn the page...

Step three...draw a short vertical (up and down) line between the two dots using a ruler.

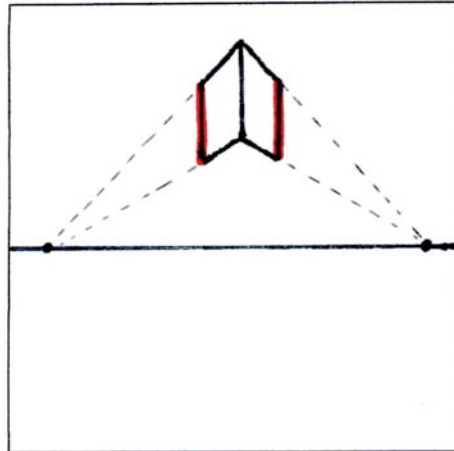


Step four... draw lines connecting the ends of the line to each of the vanishing points. These lines that connect to the vanishing point are called **receding lines**.

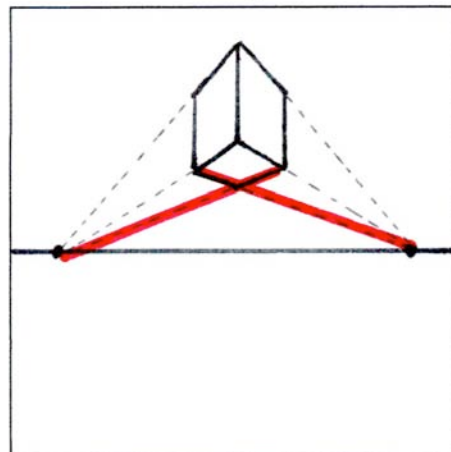


Turn the page...

Step five... draw two lines that are parallel to the line in the center. Make sure that these lines are drawn between two of the receding lines.



Step six... draw lines connecting the bottoms of the parallel lines to the vanishing points to create the bottom of your box.



Step seven... now you can erase the parts of the receding lines that are connecting your box to the vanishing point.

Once you understand the terms, turn the page...

IDENTIFYING THE ELEMENTS

1. Trace the **receding lines** in these pictures with a **blue** marker.
2. Trace the **horizon line** in these pictures with a **red** marker.
3. Mark the **vanishing points** (there should be two) in these pictures with a **green** marker (remember that it is where all of the receding lines would connect if they all met on the horizon, and they may be outside of the picture).



When you are finished, turn the page...

DIFFERENCES BETWEEN ONE AND TWO POINT PERSPECTIVES



Is the picture above one or two point? (circle one)

One Two

Write one sentence explaining why you chose your answer.

When you are finished, turn the page...

YOU TRY!

Draw the box cutout again using two point perspective.

1. Start with the horizon line
2. then the vanishing points (two)
3. next the line
4. then the receding lines
5. and the parallel lines
6. connect the parallel lines to the vanishing points
7. erase the receding lines

Go back to the steps on pages 14, 15 and 16 to see what you are supposed to be drawing (Yours should look like the solid lines that are drawn in the boxes—only bigger!)

Draw your box on the next page...

When you are finished drawing, turn the page...

FOLLOW-UP QUESTIONS

Does your box look more realistic than it did before? (circle one)

Yes

No

Why do you think that is? List three reasons why you picked the answer for the last question (there are no wrong answers).

1.

2.

3.

When you are finished, turn the page...

FINAL ONE POINT DRAWING POSTTEST

You have two options...

Option 1:

Using One Point Perspective,

1. Draw a rectangular building (like a house or a cabin)
2. For extra fun, try adding windows which also follow the perspective rules.

Option 2:

Using One Point Perspective,

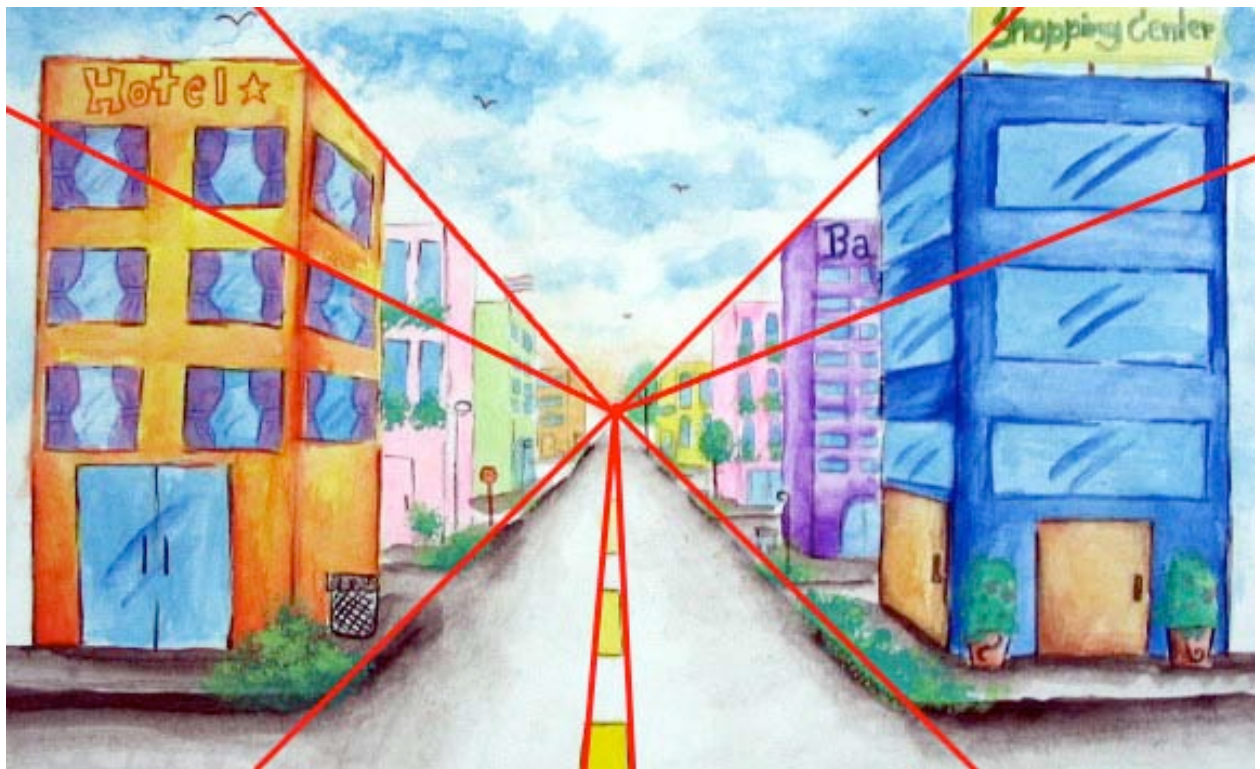
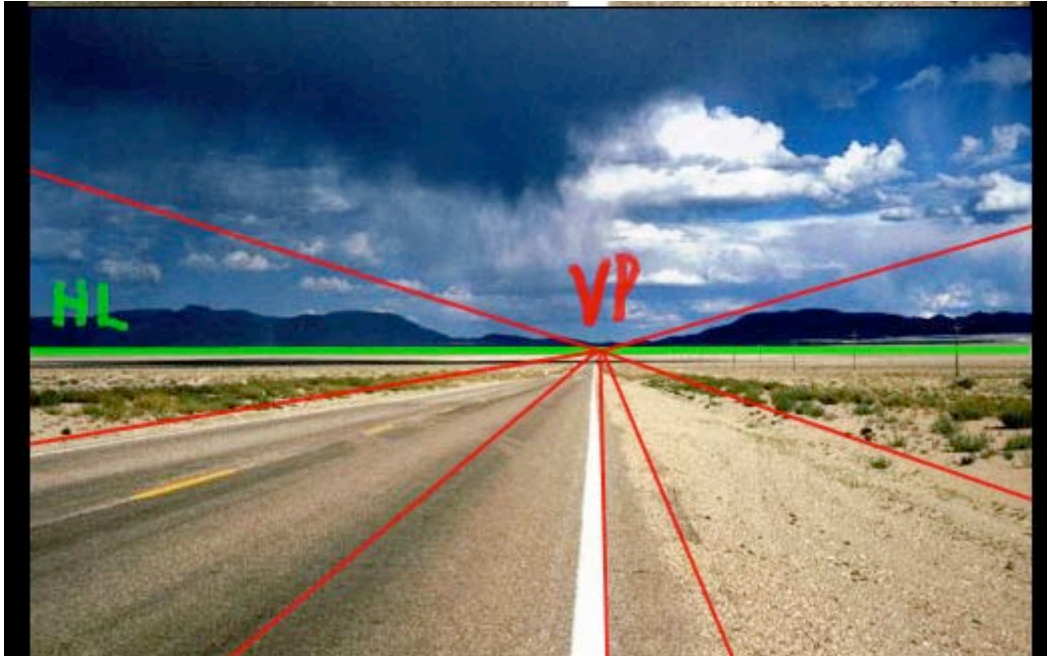
1. Draw a road and a landscape surrounding the road
2. For extra fun, try adding buildings which also follow the perspective rules.

The next page is blank,
so choose one of these options,
and use that page to do your drawing.

There are several examples on page 24 with the receding lines and vanishing points marked in red.
(Look at these examples to see how to draw the windows and buildings)

Turn the page and start drawing when you are ready...

EXAMPLES:



Turn the page...

FINAL TWO POINT DRAWING POSTTEST

Using two point perspective,

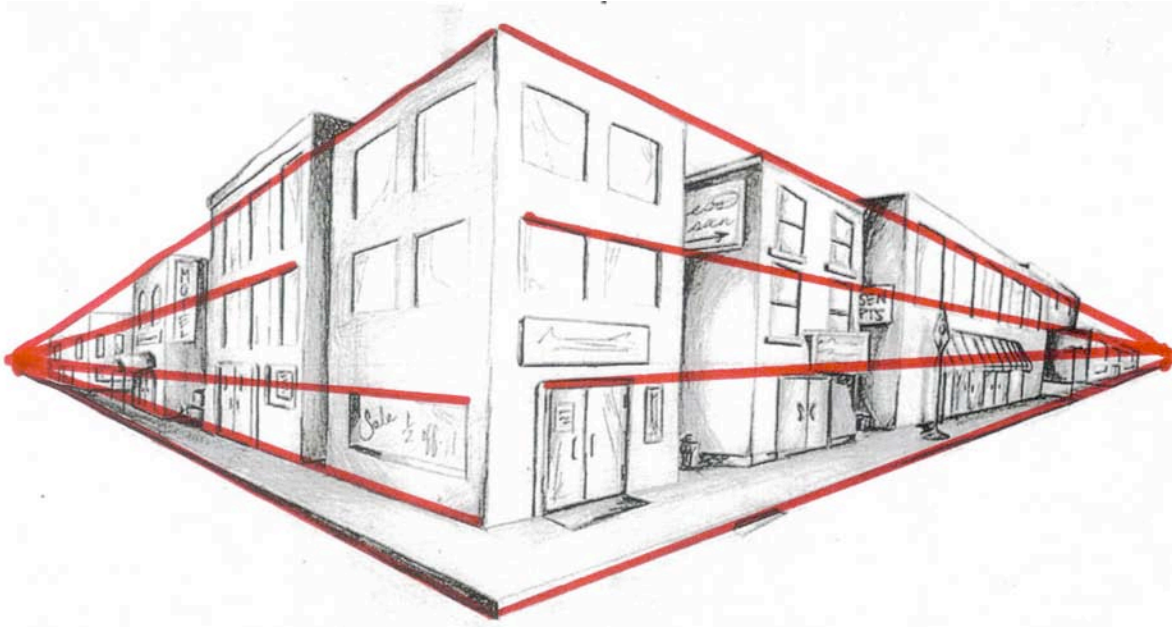
1. Draw a city street corner
2. You must have five buildings on your streets
3. For extra fun, try adding windows and doors on your buildings, or try adding sidewalks and making your buildings different sizes. Make sure that you use the perspective tools (like receding lines).

The next page is blank,
So use that page for your drawing.

There are some examples on page 27 with the receding lines and vanishing points in red.
(Look at these examples to see how to add windows, doors, sidewalks, and how to make your buildings different sizes)

Turn the page when you are ready to start...

EXAMPLES:



Turn the page...

YOU ARE FINISHED!

CONGRATULATIONS!

**Now you can draw using both one and two point
perspective techniques!**

**Keep developing your drawing skills,
and keep up the great work!**