|  |  |
| --- | --- |
| Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Hour \_\_\_\_\_  |  |

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| **Isometric Drawings – Assignment**  |

**Objectives –**

I can visualize (picture in my mind) what 3 dimensional objects look like.

I can draw geometric shapes (squares, rectangles, etc…) to create 3 dimensional drawings.

Practice pictorial sketching with the one objects (wood block) that your teacher provides. Draw it on the isometric grid below. Remember to use a pencil and sketch lightly. Darken your final image. BLOCK # \_\_\_\_\_



Once you have completed the drawing, check to see if you have completed the following ( **Grade Yourself -**  **check Yes or No !** ) :

|  |  |  |
| --- | --- | --- |
| **Isometric Graph Paper Drawing - you should have done:** | Yes | No |
| Drew the rough block with construction lines (light lines). |  |  |
| Selected the front view as the side that best shows what the object looks like and place it in the front of your drawing. |  |  |
| Drew the object back on a 30 degree angle (length and width). |  |  |
| Drew the height lines straight up and down(vertical lines are vertical). |  |  |
| Cut out the actual shape of the object - use lines to show the changes in shape in the correct locations. |  |  |
| Neatly drawn everything: consistent line darkness and thickness, not jagged lines. |  |  |

1. Practice pictorial sketching with the **different** object (wood block) that your teacher provides. Draw it on **plain paper**. Use a **30 / 60 triangle** to help you construct the object.

BLOCK # \_\_\_\_\_

Once you have completed the drawing, check to see if you have completed the following ( **Grade Yourself -**  **check Yes or No !** ) :

|  |  |  |
| --- | --- | --- |
| **Plain Paper Drawing done with drafting tools - you should have done:** | Yes | No |
| Drew the rough block with construction lines (light lines). |  |  |
| Selected the front view as the side that best shows what the object looks like and place it in the front of your drawing. |  |  |
| Drew the object back on a 30 degree angle (length and width). |  |  |
| Drew the height lines straight up and down (vertical lines are vertical). |  |  |
| Cut out the actual shape of the object - use lines to show the changes in shape in the correct locations. |  |  |
| Neatly drawn everything: consistent line darkness and thickness, not jagged lines. |  |  |

1. In your own words, explain what is an isometric drawing. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**The Last Step -** Attach your second drawing to this paper and hand all of it in to your teacher to be graded.