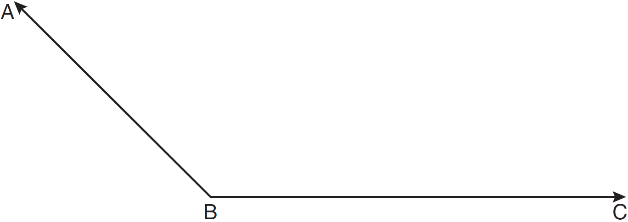
**Station 1**

**Using a compass and straightedge, construct a line perpendicular to line segment AB**

****

**Station 2**

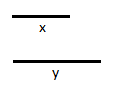
**Using a compass and straightedge, construct an angle congruent to the given angle**

**



**Station 3**

**Using a compass and straightedge, construct an isosceles triangle with a base of length x and a leg of length y**

****



**Station 4**

**On the poster paper do the following:**

* **Part I** 
  + **Create your own line segment using a straightedge**
  + **Create a reference line using a straightedge**
  + **Using a compass and straightedge, construct an equilateral triangle**
* **Part II**
* **Create an obtuse angle**
* **Bisect the angle**
* **Write step by step directions that someone can use to bisect an angle**

**Your poster will be displayed and should be colorful and neat.**

**RUBRIC**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **5** | **3** | **2** |
| **Participation** | **Student was actively engaged in the activity during the entire period.** | **Student was actively engaged in the activity for part of the period.** | **Student was not actively engaged in the activity during the period.** |
| **Accuracy** | **All constructions were correct.** | **One construction was incorrect.** | **More than one construction was incorrect.** |
| **Poster** | **Poster was colorful/neat and included all steps for the construction.** | **Poster was colorful/neat but was missing a step for the construction.** | **Poster was not colorful/neat**  **And/or**  **Poster was missing more than one step for the construction.** |
| **Deadline** | **Student handed in project on time.** | **Student handed in project 1-2 days late.** | **Student handed in project 3-5 days late.**  **\*Students who hand in a project more than 5 school days late will not receive any points for the category.** |