**Station 1**

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

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**Station 2**

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

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**Station 3**

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

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**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.**  |