Name:

Date:

School:

Facilitator:

4.05 Isosceles and Equilateral Triangles

**Solve for each variable. Show your work and explain in paragraph form how you solved each problem.**

* **Base Angles Theorem**
* **Converse to Base Angles Theorem**
* **Corollary**
* **Converse to the corollary**
* **Sum of Interior Angles**
* **Exterior angles**

|  |  |
| --- | --- |
| **Description: 06-03agn1** | **Description: 06-03agn2** |
| 1. **x =**       **y =**      **Explanation:**      **Show your work below:**  | 2. **x =**       **y =**      **Explanation:**      **Show your work below:** |
|  |  |
| Description: 06-03agn3 | Description: 06-03agn4 |
| 3. **x =**      **Explanation:**      **Show your work below:** | 4. **x =**      **Explanation:**      **Show your work below:** |
|  |  |
| Description: 06-03agn5 |  |
| 5. **x =**       **y =**      **Explanation:**      **Show your work below:** |  |