Name:

Date:

School:

Facilitator:

**3.03 Converse of the Pythagorean Theorem**

**Fill-in-the-blank with the correct type of triangle described. You should choose between right, obtuse, and acute.**

1. *c*2 > *a*2 + *b*2 indicates a(n)  triangle.

2. *c*2 < *a*2 + *b*2 indicates a(n)  triangle.

3. *c*2 = *a*2 + *b*2 indicates a(n)  triangle.

**Classify each triangle as right, acute, or obtuse. You must show ALL work to receive credit.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 4. | Screen Shot 2013-04-01 at 5 | | | |
|  | **Show your work here:** |  |  |  |
|  |  |  |  |  |
|  | This triangle is a(n)  triangle. |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 5. | Screen Shot 2013-04-01 at 5 | | | |
|  | **Show your work here:** |  |  |  |
|  |  |  |  |  |
|  | This triangle is a(n)  triangle. |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 6. | Screen Shot 2013-04-01 at 5 | | | |
|  | **Show your work here:** |  |  |  |
|  |  |  |  |  |
|  | This triangle is a(n)  triangle. |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 7. | Screen Shot 2013-04-01 at 5 | | | |
|  | **Show your work here:** |  |  |  |
|  |  |  |  |  |
|  | This triangle is a(n)  triangle. |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 8. |  | | | |
|  | **Show your work here:** |  |  |  |
|  |  |  |  |  |
|  | This triangle is a(n)  triangle. |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 9. |  | | | |
|  | **Show your work here:** |  |  |  |
|  |  |  |  |  |
|  | This triangle is a(n)  triangle. |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 10. |  | | | |
|  | **Show your work here:** |  |  |  |
|  |  |  |  |  |
|  | This triangle is a(n)  triangle. |  |  |  |