**1. Complete the following statements.**

|  |  |
| --- | --- |
| **a.** | **Two angles form a linear pair if and only if they are \_\_\_\_\_\_\_\_\_ and their non-common sides are \_\_\_\_\_\_\_\_\_\_\_\_.** |
| **b.** | **Two angles are congruent if and only if they have the same \_\_\_\_\_\_\_\_\_\_\_\_\_\_.**  |
| **c.** | **\_\_\_\_\_\_\_\_\_ are angles that share a common side and have the same vertex, but have no interior points in common.** |

**2. Which of the following is correct?**

|  |  |  |
| --- | --- | --- |
| **a.** | **If two angles are supplementary and congruent, the measure of each angle is 90°.** |  |
| **b.** | **If a ray divides an angle into two complementary angles, then the original angle is a right angle.** |  |
| **c.** | **A pair of vertical angles may also form a linear pair.** |  |

**Multiple Choices**

**3. Two angles are complementary if and only if the sum of their degree measures is:**

|  |  |  |
| --- | --- | --- |
| **a.** | $$90$$ |  |
| **b.** | $$180$$ |  |
| **c.** | $$360$$ |  |
| **d.** | $$270$$ |  |

**4**. **Two angles are supplementary if and only if the sum of their degree measures is:**

|  |  |  |
| --- | --- | --- |
| **a.** | $$270$$ |  |
| **b.** | $$360$$ |  |
| **c.** | $$180$$ |  |
| **d.** | $$90$$ |  |

**5. If two angles form a linear pair, then they are:**

|  |  |  |
| --- | --- | --- |
| **a.** | **complementary** |  |
| **b.** | **supplementary** |  |

**ANSWERS**

**1. Complete the following statements.**

|  |  |
| --- | --- |
| **a.** | **Two angles form a linear pair if and only if they are adjacent and their non-common sides are opposite rays.** |
| **b.** | **Two angles are congruent if and only if they have the same degree measure.**  |
| **c.** | **Adjacent angles are angles that share a common side and have the same vertex, but have no interior points in common.** |

**2. Which of the following is correct?**

|  |  |  |
| --- | --- | --- |
| **a.** | **If two angles are supplementary and congruent, the measure of each angle is 90°.** | **T** |
| **b.** | **If a ray divides an angle into two complementary angles, then the original angle is a right angle.** | **T** |
| **c.** | **A pair of vertical angles may also form a linear pair.** | **F** |

**Multiple Choices**

**3. Two angles are complementary if and only if the sum of their degree measures is:**

|  |  |  |
| --- | --- | --- |
| **a.** | $$90$$ |  |
| **b.** | $$180$$ |  |
| **c.** | $$360$$ |  |
| **d.** | $$270$$ |  |

**4**. **Two angles are supplementary if and only if the sum of their degree measures is:**

|  |  |  |
| --- | --- | --- |
| **a.** | $$270$$ |  |
| **b.** | $$360$$ |  |
| **c.** | $$180$$ |  |
| **d.** | $$90$$ |  |

**5. If two angles form a linear pair, then they are:**

|  |  |  |
| --- | --- | --- |
| **a.** | **complementary** |  |
| **b.** | **supplementary** |  |