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| --- | --- | --- |
| 1. Points *A*, *B*, and *C* are collinear on horizontal line segment . Point *D* lies above . If m is 14° larger than m, find m.   |  |  | | --- | --- | | *ANSWER:* | 83° | |

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| 2. In this figure, and are complementary. Also, and are complementary. Regarding and , what conclusion may you draw?   |  |  | | --- | --- | | *ANSWER:* | or m = m | |

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| 3. Given that and are complementary, what conclusion may you draw?   |  |  | | --- | --- | | *ANSWER:* | m  m = 90° | |

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| 4. If two angles are supplementary and also congruent, then each of these angles is a(n):   |  |  | | --- | --- | | *ANSWER:* | right angle | |

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| 5. If and are supplementary and , then must be a(n):   |  |  | | --- | --- | | *ANSWER:* | right angle | |

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| 6. If ray *BD* bisects , then m   |  |  | | --- | --- | | *ANSWER:* | m | |

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| 7. If m = *x* and 90° < *x* < 180°, then is a(n):   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | acute angle | b. | right angle | |  | c. | obtuse angle | d. | straight angle |  |  |  | | --- | --- | | *ANSWER:* | c | |

|  |  |  |  |  |  |  |  |  |
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| 8.  can also be called .   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | False | |

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| 9. In the figure, and are known as vertical angles.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | True | |

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| 10. Where *x* is the measure of an angle and 0° < *x* < 90°, the angle is an obtuse angle.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | False | |