|  |  |  |
| --- | --- | --- |
| 1.  and intersect at point *E*. If is a right angle, what relationship exists between and ?   |  |  | | --- | --- | | *ANSWER:* |  | |

|  |  |  |
| --- | --- | --- |
| 2.  and are supplementary. is acute. What type of angle is ?   |  |  | | --- | --- | | *ANSWER:* | obtuse | |

|  |  |  |
| --- | --- | --- |
| 3. The exterior sides of adjacent angles 1 and 2 are perpendicular. If is the bisector of and is the bisector of , find the measure of .   |  |  | | --- | --- | | *ANSWER:* | 45° | |