Name(s): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_

1. Using the chart of angle measures, name two pairs of supplementary angles in the diagram where one pair is adjacent and one pair is nonadjacent.
2. Construct a viable argument to convince me that each pair is supplementary.

|  |  |
| --- | --- |
| **Angle** | **Measure** |
| $$∠1$$ |  |
| $$∠2$$ | $$55°$$ |
| $$∠3$$ |  |
| $$∠4$$ |  |
| $$∠5$$ |  |
| $$∠6$$ |  |
| $$∠7$$ |  |
| $$∠8$$ | $$90°$$ |
| $$∠9$$ | $$145°$$ |
| $$∠10$$ |  |
| $∠1$1 |  |
| $$∠12$$ |  |
| $∠1$3 | $$120°$$ |
| $$∠14$$ |  |
| $∠1$5 | $$10°$$ |
| $$∠16$$ |  |
| $∠1$7 |  |
| $$∠18$$ |  |
| $∠1$9 |  |
| $$∠20$$ |  |
| $$∠21$$ | $$30°$$ |
| $$∠22$$ | $$90°$$ |
| $$∠23$$ |  |
| $$∠24$$ |  |
| $$∠25$$ |  |
| $$∠26$$ | $$145°$$ |

1.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_