| DIAGRAMS | STEPS | WHAT THIS DOES (justification) |
|---|---|---|
| | **1.** Start with a segment length for the sides of the triangle. | |
| | **2.** Construct circle *A* with the given radius. | |
| | **3.** Choose point *B* on circle *A* and connect *A* and *B* to make the first side of equilateral triangle *ABC.* | |
| | **4.** Construct circle *B* with the same radius as circle *A*. | |
| | **5.** Label point *C* where circles *A* and *B* intersect. | |
| | **6.** Connect *A* to *C* and *B* to *C* to complete the second and third sides of equilateral triangle *ABC*. | |
| DIAGRAMS | STEPS | WHAT THIS DOES (justification) |