Using the Triangle Angle Sum Theorem

Find each missing angle measure.

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| 1. | 2. In a triangle the measure of two of the angles is 35° and 65°. Find the measure of the third angle. |
| 3. In triangle *DEF* the measure of angle *D* is 33 and the measure of angle *E* is 97. Find the measure of angle *F*. | 4. |
| 5. Triangle *ABC* is a right triangle. The measure of angle *A* is *37*°. Find the measures of angle *B* and *C*. | 6. Four isosceles triangles cap the Smith Tower in Seattle. If one of the base angles measures 65°, what are the measures of the other two angles? |