Homework: Complementary and Supplementary Word Problems

If an angle has the measurement $40^\circ$, then its complement is $90^\circ - _____ = _____$

If an angle has the measurement $a^\circ$, then its complement is $90^\circ - _____ = _____$

If an angle has the measurement $3 - a^\circ$, then its complement is $90^\circ - _____ = _____$

If an angle has the measurement $a^\circ$, then its supplement is $180^\circ - _____ = _____$

If an angle has the measurement $2a^\circ - 5$, then its supplement is $180^\circ - _____ = _____$

The complement of an angle that measures $a^\circ$ is ____________________________

The supplement of an angle that measures $a^\circ$ is ____________________________

1. An angle is 18 degrees less than the measure of its complement. Find the measure of the angle.

2. An angle is 48 degrees less than the measure of its supplement. Find the measure of the angle.
3. An angle is 18 degrees less than 2 times its complement. Find the angle.

4. The complement of an angle is 9 times as large as the angle. Find the angle.

5. An angle is 5 more than twice its complement. Find the angle.