

- 1.) The measure of the complement of an angle is 20 more than the measure of the angle. Find the measure of the angle.

- 2.) The measure of the supplement of an angle is 60 more than measure of the angle. Find the measure of both the angle and its complement.

- 3.) The complement of an angle is five times the measure of the angle. Find the measure of the supplement of the angle.

- 4.) The measure of the supplement of an angle is twenty more than three times the measure of the angle. Find the complement and supplement of the angle.

- 5.) $\angle 3$ is supplementary to $\angle 4$. If $\angle 3$ and $\angle 4$ are in a ratio of 3:2, find the complement of the smaller angle.

- 6.) $\angle 1 = (4w - 10)^\circ$ and $\angle 2 = (129 - 8w)^\circ$. If $\angle 1$ is complementary to $\angle 2$, find the measure of $\angle 1$.

- 7.) $\angle A = (6x + 29)^\circ$ and $\angle B = (13x + 18)^\circ$. If $\angle A$ is supplementary to $\angle B$, find the measure of both angles.