

 \angle Q & \angle R are complementary angles, m \angle Q = 5x + 7 & m \angle R = 11x - 3. Find the measure of angle Q.

 \angle M & \angle N are supplementary angles, m \angle M = 3x & m \angle N = 9x - 12. Find the measure of angle N.

$$12x + 24 = 180$$
 $12x = 156$
 $x = 13$
 $20 + 2R = 90$
 $5x + 7 + 11x - 3 = 90$
 $16x + 4 = 90$
 $16x = 96$
 $x = 5.315$
 $20 + 2R = 180$
 $3x + 9x - 12 = 190$
 $12x - 12 = 180$
 $12x - 192$
 $24 = 7(13) + 2 = 93^{\circ}$
 $24 = 7(13) + 2 = 93^{\circ}$
 $20 = 5(5.315) + 7 = 33.8^{\circ}$
 $20 = 16x + 90$
 $20 = 16$

X=16