Classwork:

1. $\angle DEF$ and $\angle FEG$ are complementary.

   $m\angle DEF = (3x - 4)°$, and $m\angle FEG = (5x + 6)°$.
   Find the measures of **both** angles.

2. $\angle DEF$ and $\angle FEG$ are supplementary.

   $m\angle DEF = (9x + 1)°$, and $m\angle FEG = (8x + 9)°$.

   Find the measures of **both** angles.

3. Given: $m\angle RST = (15x - 10)°$ Find x.