One of the central problems in 19th century algebra was determining the minimal number of generators for the ring of invariants (resp. covariants) for a binary form of degree $n$. Hilbert famously showed that the ring was finitely generated, but the minimal number of generators needed for invariants (resp. covariants) was only known for $n \leq 8, n \neq 7$ (resp. $n \leq 6$) until recently. Bedratyuk (2007) has extended these calculations to $n \leq 8$ in both cases. We have verified these calculations and report on progress for the case $n = 10$. (Received September 20, 2007)