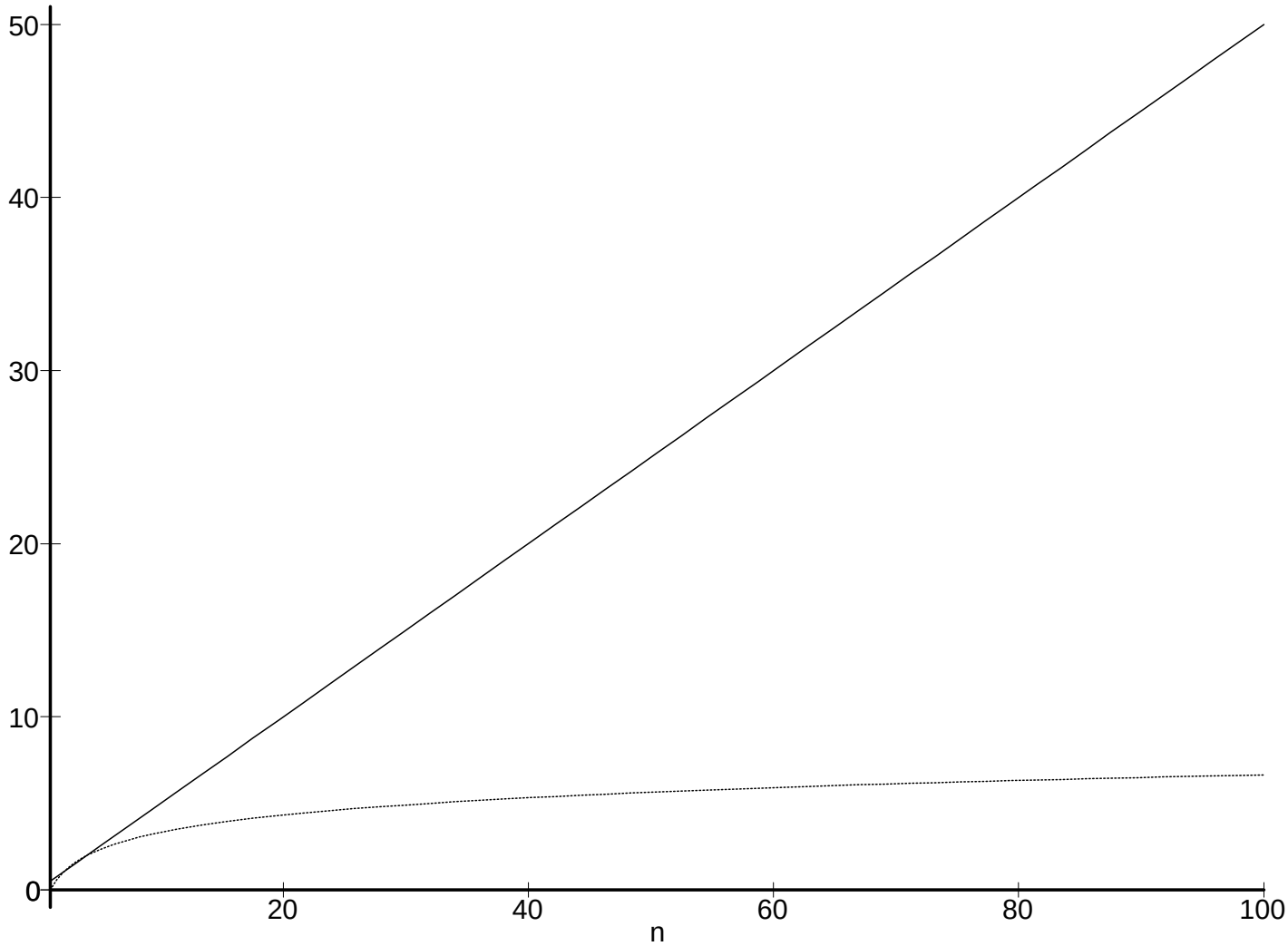n/2 vs log(n), medium n