

QUESTION FOR MATH 343 FOR THE LECTURE OF  
MONDAY 12 APRIL

**Problem 1.** Roll one fair standard die. Let  $E$  be the event that the roll is even, and let  $F$  be the event that the roll is four or more. Find  $\Pr(E|F)$ . How does it compare with  $\Pr(E)$ ? Are  $E$  and  $F$  independent?