```
f(x) = ax^3 + bx^2 + 18x + 9
where a and b are constants.
Given that (x + 3) is a factor of f(x)
(a) show that
                                             -3a + b = 5
                                                                                               (2)
Given also that f'(2) = 14
(b) find the value of a and the value of b.
                                                                                               (5)
```