8. Functions f and g are defined on $\mathbb{R}$, the set of real numbers, by:

- $f(x) = 2x^2 - 18$
- $g(x) = x + 1$.

(a) Find an expression for $f(g(x))$. **2**

(b) Find the values of x for which $\dfrac{1}{f(g(x))}$ is undefined. **2**