## Exercise set 1 Partial

 fraction exercise and TechnologyInstitutt for matematiske fag

A Find the partial fraction decomposition of the following functions. When you have found an answer; check that your solution is correct by adding all the parts of the partial fraction decomposition together again.
1.

$$
f(x)=-\frac{x+1}{(2 x+1)(x-1)}
$$

2. 

$$
g(x)=\frac{16 x-6}{(2 x-5)(3 x+1)}
$$

3. 

$$
h(x)=\frac{1}{x(x+1)^{2}}
$$

