



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.

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

2.

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

3.

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