

use the definition of continuity to find the values of  $k$  and/or  $m$  that will make the function continuous everywhere.

$$g(x) = \begin{cases} x^2 + 5, & x > 2 \\ m(x+3) + k, & -1 < x \leq 2 \\ 2x^3 + x + 7, & x \leq -1 \end{cases}$$

$$m =$$

$$k =$$

**Write your answer fraction: a/b**