

## The best constant for some algebraic inequalities

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The purpose of this article is to find the best constant for the inequality of type

$$k \leq f(a, b, c) \tag{1}$$

or

$$k \geq f(a, b, c) \tag{2}$$

where  $a, b, c$  are positive numbers and  $f$  a rational symmetric and homogenous function.