

CALCULUS
Miscellaneous precalculus
OLD2

0040-1. Find the intervals of positivity and negativity for $f(x) = (x + 3)^2(x - 2)^3(x - 5)$.

0040-2. a. Expand $(x + y)^5$.

b. Expand $(u^2 + 2v^3)^5$.

0040-3. Rationalize the numerator in

$$\frac{\sqrt{7 + 3h} - \sqrt{7 - 3h}}{h}.$$