CALCULUS
Functions and expressions
NEW

0020-1. NEW Compute $[(5/9)(F-32)]_{F:\to 212}$.

0020-2. NEW Compute $[(5/9)(F-32)]_{F:\to -20}^{F:\to 15}$.

0020-3. NEW Compute $[(5/9)x + 2,500,000]_{x:\to -20}^{x:\to 15}$.

0020-4. NEW Let $f(x) = \sqrt{x-1}$, $g(x) = x^3/(x+1)$.

a. Find the domain of f.

b. Find the domain of g.

c. Find the domain of $f+g$.

d. Find the domain of fg.

e. Find the domain of f/g.

f. Find the domain of g/f.

0020-5. Collect terms in

NEW

$$3x^7 + 7x - 3x^2 - 2 - x - 4x + 2 - x^7 - 7x^2 + 5x^7$$

and display this polynomial
with terms in increasing degree.

0020-6. Solve for x in:

NEW

$$\frac{7x - 6x + 3}{3} = -9(4x + 3 + 2x)$$