Extended Binomial Theorem (A)

Expand $(1 + 3x)^{-1}$ in ascending powers of x up to the x^2 term.

Expand $(1 + 2x)^{-1/2}$ in ascending powers of x up to the x^2 term.

Expand $(1 - 3x)^{-3}$ in ascending powers of x up to the x^2 term.

Extended Binomial Theorem (B)

Expand $(1 + 2x)^{-3/2}$ in ascending powers of x up to the x^2 term.

Expand $(1 - x)^{-1}$ in ascending powers of x up to the x^2 term.

Expand $(1 + x)^{-1/2}$ in ascending powers of x up to the x^2 term.

Extended Binomial Theorem (C)

Expand $(1 + x)^{-2}$ in ascending powers of x up to the x^2 term.

Expand $(1 - 2x)^{-3}$ in ascending powers of x up to the x^2 term.

Expand $(1 - x)^{1/2}$ in ascending powers of x up to the x^2 term.

Extended Binomial Theorem (D)

Expand $(1 + 2x)^{3/2}$ in ascending powers of x up to the x^2 term.

Expand $(1 + 2x)^{-1}$ in ascending powers of x up to the x^2 term.

Expand $(1 - 2x)^{-1/2}$ in ascending powers of x up to the x^2 term.

Extended Binomial Theorem (E)

Expand $(1 + 3x)^{3/2}$ in ascending powers of x up to the x^2 term.

Expand $(1 - 3x)^{-1}$ in ascending powers of x up to the x^2 term.

Expand $(1 + 2x)^{1/2}$ in ascending powers of x up to the x^2 term.

Extended Binomial Theorem (F)

Expand $(1 - 3x)^{3/2}$ in ascending powers of x up to the x^2 term.

Expand $(1 + x)^{1/2}$ in ascending powers of x up to the x^2 term.

Expand $(1 - 3x)^{-1}$ in ascending powers of x up to the x^2 term.

Extended Binomial Theorem (G)

Expand $(1 - 2x)^{3/2}$ in ascending powers of x up to the x^2 term.

Expand $(1 - x)^{-2}$ in ascending powers of x up to the x^2 term.

Expand $(1 + x)^{1/2}$ in ascending powers of x up to the x^2 term.

Extended Binomial Theorem (H)

Expand $(1 - 3x)^{-3}$ in ascending powers of x up to the x^2 term.

Expand $(1 - 2x)^{-1/2}$ in ascending powers of x up to the x^2 term.

Expand $(1 + 3x)^{-2}$ in ascending powers of x up to the x^2 term.

Extended Binomial Theorem (I)

Expand $(1 - 2x)^{-1/2}$ in ascending powers of x up to the x^2 term.

Expand $(1 + 2x)^{-3}$ in ascending powers of x up to the x^2 term.

Expand $(1 + 2x)^{-1}$ in ascending powers of x up to the x^2 term.

Extended Binomial Theorem (J)

Expand $(1 - 2x)^{-1/2}$ in ascending powers of x up to the x^2 term.

Expand $(1 + 2x)^{-2}$ in ascending powers of x up to the x^2 term.

Expand $(1 + 3x)^{3/2}$ in ascending powers of x up to the x^2 term.