

Infix: $(A + B) * C - D + F$

Prefix: $-^*+ABC+DF$

1. Reverse the input (scan it from right to left) & revert the parenthesis
 $F + D - C * (B + A)$
2. Put entire expression in parenthesis $(F + D - C * (B + A))$
3. Apply the same rule of conversion as for infix to postfix, then reverse the obtained expression.

[illegible]

FD+CBA+*-

Now, reverse it:

-*+ABC+DF