If you're having trouble figuring out how to convert and solve from one form to another, try some of these practice problems and check your answers with the solutions on the next page.

PROBLEMS:

Infix to Postfix:
1. 5 + 5
2. 5 + 5 / 2
3. (5 + 5) / 2
4. A * B / C + D
5. (A - B) / (C + D)

Infix to Prefix:
1. 5 + 5
2. 5 + 5 / 2
3. (5 + 5) / 2
4. A * B / C + D
5. (A - B) / (C + D)

Evaluating Postfix
1. 10 10 2 * -
2. 10 10 - 2 *
3. 8 7 - 8 4 / *

Evaluating Prefix
1. + 5 5
2. + 5 / 20 4
3. * / - 3 2 4 5

SOLUTIONS:

Answers - Infix to Postfix:
1. 5 5 +
2. 5 5 2 / +
3. 5 5 + 2 /
4. A B C / * D +
5. A B - C D + /

Answers - Infix to Prefix
1. + 5 5
2. + 5 / 5 2
3. / + 5 5 2
4. + / * A B C D
5. / - A B + C D

Answers - Evaluating Postfix
1. -10
2. 0
3. 2

Answers - Evaluating Prefix
1. 10
2. 10
3. 1.25