

## Reverse Polish notation worksheet

1) What is the purpose of RPN?

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2) Explain how the stack is used for converting from RPN to infix

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3) Convert the following expression to infix and evaluate

- a)  $5\ 3\ -$  .....
- b)  $2\ 3\ 4\ +\ *$  .....
- c)  $7\ 5\ +\ 2\ /$  .....

4) Convert the following infix expressions to RPN

- a)  $5 - (9 + 3) / 3$  .....
- b)  $5 \times 2 + 4 / 2$  .....