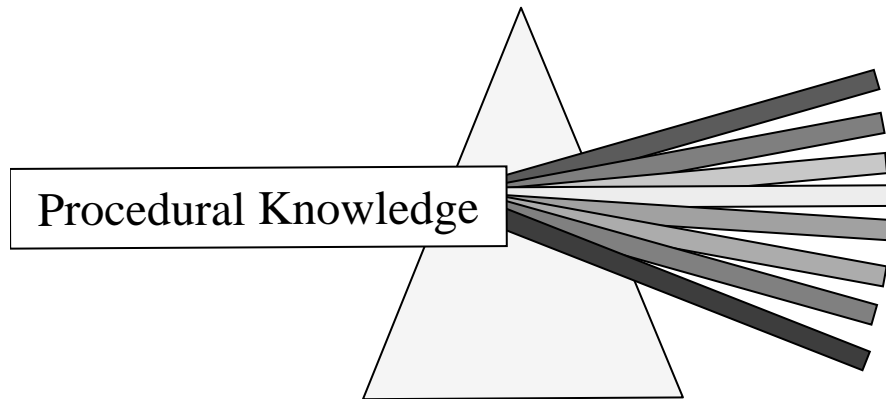


Framework for Procedural Understanding (or, Eight Powerful Questions)



- 1a) What is the goal of the procedure?
- 1b) What sort of answer should I expect?
- 2a) How do I carry out the procedure?
- 2b) What other procedures could I use?
- 3) Why does the procedure work?
- 4) How can I verify my answer?
- 5) When is this the “best” procedure to use?
- 6) What else can I use this procedure to do?

Adapted from NCTM's Navigating through Algebra in Grades 9-12

View the following problems through the lens of the Framework:

Solve: $2x - 1 = 6$

Solve: $|x - 3| < 5$

Solve: $x^2 + 3x - 4 = 0$

Solve: $2x + 3y < 6$

Solve: $3x + 4y = 14$ and $y = -(5/2)x$