# Part B

You should use the following template for the actions related to each skill. You need to change the constant numbers and LHS/RHS if necessary (marked in bold).

* S1: ‘add **3**x’
* S2: ‘add -**2**x’
* S3: ‘add **4**’
* S4: ‘add -**5**’
* S5: ‘divide **2**’
* S6: ‘divide -**3**’
* S7: ‘combine **RHS** variable terms and get positive’
* S8: ‘combine **LHS** variable terms and get negative’
* S9: ‘combine **LHS** constant terms’

# Part D

Assume the following sequence of calls are executed for one student.

1. Input
   * CURRENT\_SKILLS = ['S8','S9']
   * EQUATION = '3x+2=8'
   * ACTION = 'add -2'
   * Output
     + FEEDBACK\_MESSAGE = 'Correct. Keep up the good work!'
     + UPDATED\_SKILLS = ['S8','S9','S4']
2. Input
   * CURRENT\_SKILLS = ['S8','S9','S4']
   * EQUATION = '3x=8-2'
   * ACTION = 'combine RHS constant terms’
   * Output
     + FEEDBACK\_MESSAGE = 'Correct. After this problem we can switch to a new activity.'
     + UPDATED\_SKILLS = ['S8','S9','S4']
3. Input
   * CURRENT\_SKILLS = ['S8','S9','S4']
   * EQUATION = '-2x=10'
   * ACTION = 'add -10'
   * Output
     + FEEDBACK\_MESSAGE = 'Incorrect. The following is the correct answer to the problem.'
     + UPDATED\_SKILLS = ['S8','S9','S4']
4. Input
   * CURRENT\_SKILLS = ['S8','S9','S4']
   * EQUATION = '-2x=10'
   * ACTION = 'divide 2'
   * Output
     + FEEDBACK\_MESSAGE = 'Incorrect. The following is the correct answer to the problem.'
     + UPDATED\_SKILLS = ['S8','S9','S4']
5. Input
   * CURRENT\_SKILLS = ['S8','S9','S4']
   * EQUATION = '-2x=10'
   * ACTION = 'divide -2'
   * Output
     + FEEDBACK\_MESSAGE = ' Correct. I think you’re getting it!'
     + UPDATED\_SKILLS = ['S8','S9','S4','S6']