1. Which list below is the 4-step problem-solving process described in class?

(a) understand the problem, devise a plan, carry out the plan, look back

(b) study hard, get a good night’s sleep, eat a good breakfast, show up

(c) study the problem, try different approaches, decide a correct approach, record your work

(d) research the problem, locate a solution, write down the solution, turn in the solution

2. How many total squares are in the figure below? (Count all size squares using existing lines in the drawing.)

(a) \(5^2 + 4^2 + 3^2 + 2^2 + 1^2\)

(b) \(5 + 4 + 3 + 2 + 1\)

(c) \(5^5 + 4^4 + 3^3 + 2^2 + 1\)

(d) \(6 \cdot 5 + 5 \cdot 4 + 4 \cdot 3 + 3 \cdot 2 + 2 \cdot 1\)