

Name \_\_\_\_\_

MATH 221: BASIC CONCEPTS OF ELEMENTARY MATHEMATICS I

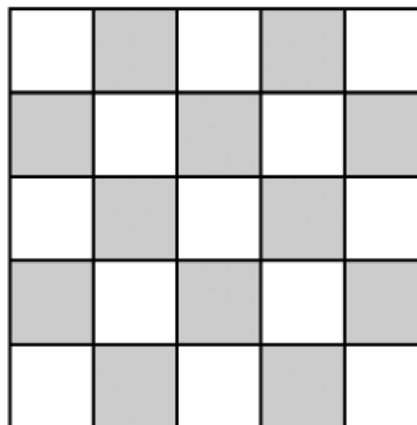
Quiz #2

Points: Each problem is worth 5 points.

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)  $6 \cdot 5 + 5 \cdot 4 + 4 \cdot 3 + 3 \cdot 2 + 2 \cdot 1$



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Each multiple choice question in this class will be graded as follows. Your answer should be clearly indicated by a circle around your choice for the answer. Circle the whole answer including the letter. You will get 0 points if a wrong answer is circled (even if a correct answer is also circled), you will get 1 point if no answer is circled, and you will get 4 points for a correct answer. Do not put other marks on or around the choices. If other marks are on or around the choices (for example, if a rectangle is placed around an answer), then you will likely get 0 points for your answer depending solely on what the instructor thinks the marks indicate.