

## PRACTICE TEST B

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60 minutes – 60 questions

**Directions:** Answer each question. Choose the correct answer from the 5 choices given. Do not spend too much time on any one problem. Solve as many as you can; then return to the unanswered questions in the time left. Unless otherwise indicated, all of the following should be assumed:

- All numbers used are real numbers.
  - The word *average* indicates the arithmetic mean.
  - Drawings that accompany problems are intended to provide information useful in solving the problems. Illustrative figures are not necessarily drawn to scale.
  - The word *line* indicates a straight line.
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DO YOUR FIGURING HERE.

1. In one city the taxicabs charge \$2.50 for the first mile and \$0.75 for each additional  $\frac{1}{8}$  of a mile. What is the cost of a  $3\frac{1}{4}$  mile trip?

- A. \$13.50
- B. \$14.50
- C. \$16.00
- D. \$18.00
- E. \$26.00

2.  $\left(\frac{1}{3}\right)^4 - \left(\frac{1}{3}\right)^3 = ?$

- F.  $\frac{1}{3}$
- G.  $\frac{1}{9}$
- H.  $\frac{1}{81}$
- J.  $-\frac{2}{81}$
- K.  $-\frac{1}{3}$