

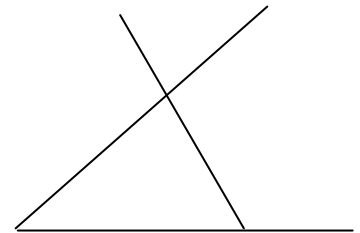


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 + , \* + 6 & + 2 2 / 0 \$ 7 + ( 0 \$ 7 , & 6 & 2 0 3 ( 7 , 7 , 2 1

For each of the following 25 questions, carefully blacken the appropriate box on the answer sheet with a #2 pencil. Do not fold, bend, or write stray marks on either side of the answer sheet. Each correct answer is worth 6 points. Two points are given if no box, or more than one box, is marked. Zero points are given for an incorrect answer. Note that wild guessing is apt to lower your score. When the exam is over, give your answer sheet to your proctor. You may keep your copy of the questions.

1 2 & \$ / & 8 / \$ 7 2 5 6

0 , 1 8 7 ( 6



$\frac{3}{x} \cdot 7y \cdot \frac{3}{y} \cdot 7x$ , compute the product  $xy$ .

- (A)  $\frac{3}{7}$  (B) 7 (C)  $\frac{1}{7}$  (D)  $-\frac{1}{7}$  (E)  $-\frac{3}{7}$



$$\frac{N}{52}$$

$$\frac{N}{52}$$

z

17.

$\sqrt{\quad}$

|x|

|x|

$\sqrt{\quad}$

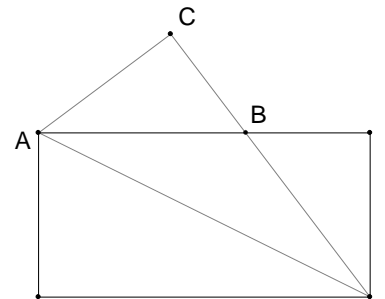
(A) 2:1

(B) 3:1

(C) 4:1

(D) 5:1

(E) 6:1



20. The pages of a book are numbered 1 through  $n$ . When the page numbers of the book were added, one of the page numbers was mistakenly added twice, resulting in the incorrect sum of 2008. What was the number of the page that was added twice?

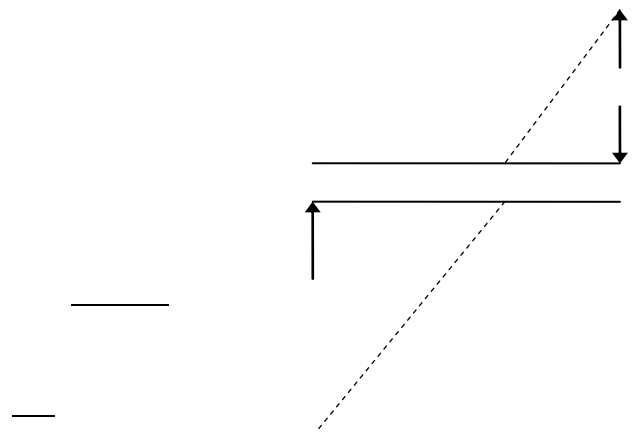
- (A) 55      (B) 64      (C) 72      (D) 75      (E) 82

a b c  
c ab

a b c

a bc b ac

$$4\frac{1}{2}$$








$$\frac{4}{13}$$

$$\sqrt{\quad} \quad 32$$

$$\sqrt{\quad}$$

