

**CALIFORNIA HIGH SCHOOL  
EXIT EXAM**

**MATHEMATICS PRACTICE TEST  
FORM MATH G**

**Source:**

**Standards and Assessment Division  
California Department of Education**

**Edited by:**

**RUSD Department of Educational Accountability**

**ALGEBRA I**

45. If  $x = -7$ , then  $-x =$

- A  $-7$
- B  $-\frac{1}{7}$
- C  $\frac{1}{7}$
- D  $7$

M02863

46. The perimeter,  $P$ , of a square may be found by using the formula  $(\frac{1}{4})P = \sqrt{A}$ , where  $A$  is the area of the square. What is the perimeter of the square with an area of 36 square inches?

- A 9 inches
- B 12 inches
- C 24 inches
- D 72 inches

M00057

47. If  $x$  is an integer, what is the solution to  $|x - 3| < 1$ ?

- A  $\{-3\}$
- B  $\{-3, -2, -1, 0, 1\}$
- C  $\{3\}$
- D  $\{-1, 0, 1, 2, 3\}$

M03035

48. Which of the following is equivalent to  $4(x + 5) - 3(x + 2) = 14$ ?

- A  $4x + 20 - 3x - 6 = 14$
- B  $4x + 5 - 3x + 6 = 14$
- C  $4x + 5 - 3x + 2 = 14$
- D  $4x + 20 - 3x - 2 = 14$

M02936

49. Which of the following is equivalent to  $9 - 3x > 4(2x - 1)$ ?

- A  $13 < 11x$
- B  $13 > 11x$
- C  $10 > 11x$
- D  $6x > 0$

M02531

50. Solve for  $x$ .

$$5(2x - 3) - 6x < 9$$

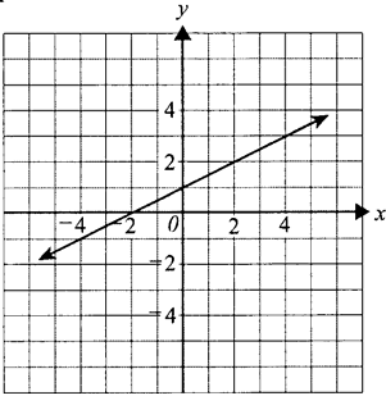
- A  $x < -1.5$
- B  $x < 1.5$
- C  $x < 3$
- D  $x < 6$

M02938

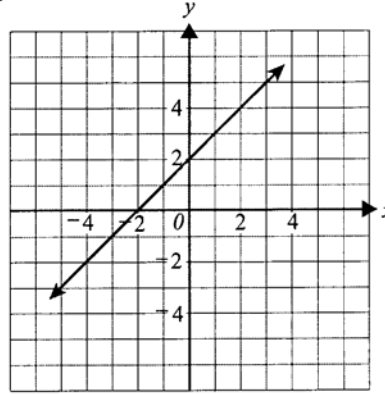
**ALGEBRA I**

51. Which of the following is the graph of  $y = \frac{1}{2}x + 2$ ?

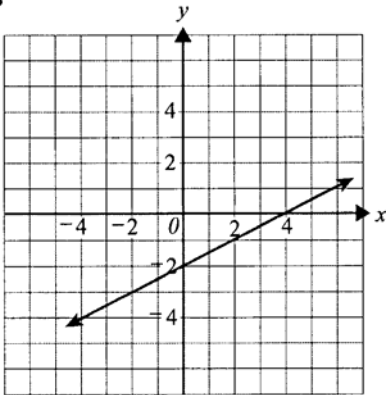
**A**



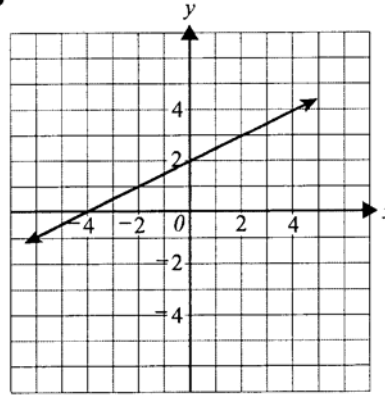
**C**



**B**



**D**



M02026

**ALGEBRA I**

52. Which of the following points lies on the line  $4x + 5y = 20$ ?

- A (0, 4)
- B (0, 5)
- C (4, 5)
- D (5, 4)

M02565

53. What is the slope of a line parallel to the line

$$y = \frac{1}{3}x + 2?$$

- A -3
- B  $-\frac{1}{3}$
- C  $\frac{1}{3}$
- D 2

M02565

$$\begin{cases} 7x + 3y = -8 \\ -4x - y = 6 \end{cases}$$

54. What is the solution to the system of equations shown above?

- A (-2, -2)
- B (-2, 2)
- C (2, -2)
- D (2, 2)

M02956

55. Mr. Jacobs can correct 150 quizzes in 50 minutes. His student aide can correct 150 quizzes in 75 minutes. Working together, how many minutes will it take them to correct 150 quizzes?

- A 30
- B 60
- C 63
- D 125

M03000

**MATHEMATICAL REASONING**

56. Chris drove 100 kilometers from San Francisco to Santa Cruz in 2 hours and 30 minutes. What computation will give Chris' average speed, in kilometers per hour?

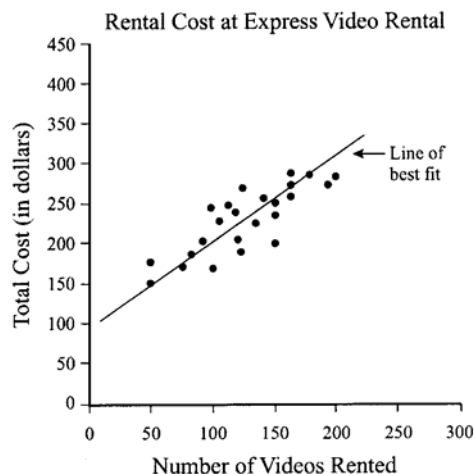
- A Divide 100 by 2.5.
- B Divide 100 by 2.3.
- C Multiply 100 by 2.5.
- D Multiply 100 by 2.3.

M03164

57. If  $n$  is any odd number, which of the following is true about  $n + 1$ ?

- A It is an odd number.
- B It is an even number.
- C It is a prime number.
- D It is the same number as  $n - 1$ .

M00155



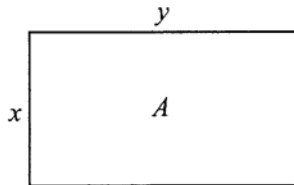
58. Using the line of best fit shown on the scatter plot above, which of the following best approximates the rental cost per video to rent 300 videos?

- A \$3.00
- B \$2.50
- C \$2.00
- D \$1.50

M02209

**MATHEMATICAL REASONING**

59. The rectangle shown below has width  $x$ , length  $y$ , and area  $A$ .



If  $x = 10$  and  $y > 17$ , which of the following cannot be the area of the rectangle?

- A 170
- B 180
- C 190
- D 200

M00319

Len runs a mile in 8 minutes. At this rate how long will it take him to run a 26-mile marathon?

60. Which of the following problems can be solved using the same arithmetic operations that are used to solve the problem above?
- A Len runs 26 miles in 220 minutes. How long does it take him to run each mile?
  - B A librarian has 356 books to place on 18 shelves. Each shelf will contain the same number of books. How many books can the librarian place on each shelf?
  - C A cracker box weighs 200 grams. What is the weight of 100 boxes?
  - D Each basket of strawberries weighs 60 grams. How many baskets can be filled from 500 grams of strawberries?

M00137

**CALIFORNIA HIGH SCHOOL EXIT EXAM MATHEMATICS  
PRACTICE TEST FORM G**

<b>FORM: MATH F</b>					
		<b>Mathematics</b>			
<b>Item</b>	<b>Standards Tested</b>				
<b>No.</b>	<b>Session Three</b>	<b>(Circle the Correct Answer)</b>			
45	Algebra 1	A	B	C	D
46	Algebra 1	A	B	C	D
47	Algebra 1	A	B	C	D
48	Algebra 1	A	B	C	D
49	Algebra 1	A	B	C	D
50	Algebra 1	A	B	C	D
51	Algebra 1	A	B	C	D
52	Algebra 1	A	B	C	D
53	Algebra 1	A	B	C	D
54	Algebra 1	A	B	C	D
55	Algebra 1	A	B	C	D
56	Grade 7 - Math Reasoning (Number Sense)	A	B	C	D
57	Grade 7 - Math Reasoning (Number Sense)	A	B	C	D
58	Grade 7 - Math Reasoning (Number Sense)	A	B	C	D
59	Grade 7 - Math Reasoning (Number Sense)	A	B	C	D
60	Grade 7 - Math Reasoning (Number Sense)	A	B	C	D

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<b>FORM: MATH F</b>	
<b>Item</b>	
<b>No.</b>	<b>Key</b>
45	D
46	C
47	C
48	A
49	B
50	D
51	D
52	A
53	C
54	B
55	A
56	A
57	B
58	D
59	A
60	C