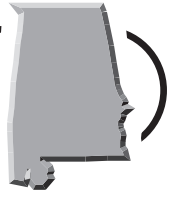


Sample Test

Test Practice (continued)



Read each question and choose the best answer. Then write the letter for the answer you have chosen in the blank at the right of each question.

36 Simplify: $3 - |4 - 9| + 7$ I-1

36 _____

E -3

F 5

G 15

H 23

37 Which of these tables represents the function $f(x) = |x - 8|$? III-1

37 _____

A

| x | $f(x)$ |
|-----|--------|
| -3 | 11 |
| -2 | 10 |
| -1 | 9 |
| 0 | 8 |

B

| x | $f(x)$ |
|-----|--------|
| -3 | -11 |
| -2 | -10 |
| -1 | -9 |
| 0 | -8 |

C

| x | $f(x)$ |
|-----|--------|
| -3 | 5 |
| -2 | 6 |
| -1 | 7 |
| 0 | 8 |

D

| x | $f(x)$ |
|-----|--------|
| -3 | -5 |
| -2 | -6 |
| -1 | -7 |
| 0 | -8 |

38 A convex polygon has 14 sides. What is the sum of the measures of the interior angles? VII-1

38 _____

E 1980°

F 2160°

G 2520°

H 2340°

39 If $f(x) = -4x^2 + 3x - 2$, what is $f(-4)$? III-2

39 _____

A 18

B 50

C -46

D -78

Sample Test

Test Practice (continued)

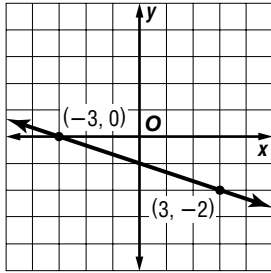


Read each question and choose the best answer. Then write the letter for the answer you have chosen in the blank at the right of each question.

- 40** What is the slope of the line shown in the graph? **IV-2**

40 _____

Slope Formula: $m = \frac{y_2 - y_1}{x_2 - x_1}$



- E** -3
- F** $-\frac{1}{3}$
- G** $\frac{1}{4}$
- H** 4

- 41** In a group of 30 people, 8 have blonde hair, 6 have black hair, 12 have brown hair, and 4 have red hair. If a person is chosen at random, what is the probability that the person has blonde hair or red hair? **VII-6**

41 _____

- A** $\frac{2}{15}$
- B** $\frac{2}{5}$
- C** $\frac{3}{5}$
- D** $\frac{13}{15}$

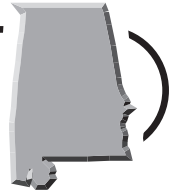
- 42** Simplify: $2r - 3\left(\frac{1}{3}r - \frac{1}{6}s\right) - \frac{1}{2}s$ **I-2**

42 _____

- E** $-r$
- F** r
- G** $r - \frac{1}{4}s$
- H** $r - s$

Sample Test

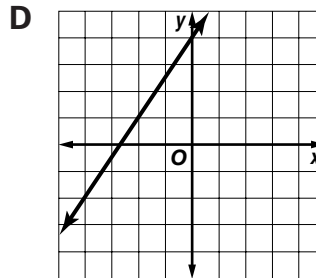
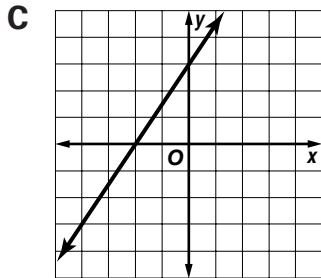
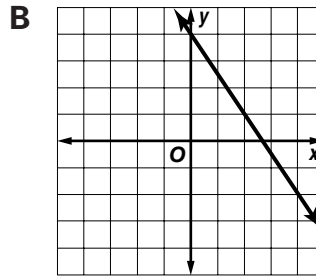
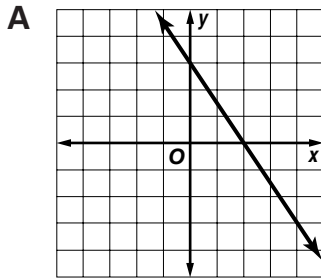
Test Practice (continued)



Read each question and choose the best answer. Then write the letter for the answer you have chosen in the blank at the right of each question.

- 43 Which of these graphs represents a line that has a slope of $-\frac{3}{2}$ and passes through $(4, -2)$? **V-2**

43 _____



- 44 Factor: $2x(x - 4) - (x - 4)$ **I-4**

44 _____

- E** $(2x - 1)(x - 4)^2$
F $(2x - 1)(x - 4)$
G $2x(x - 4)$
H $2x(x - 4)^2$

- 45 The endpoints of \overline{MP} are $(-5, 2)$ and $(8, -1)$. What are the coordinates of the midpoint of \overline{MP} ? **IV-2**

45 _____

Midpoint Formula: $M = \left(\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2} \right)$

- A** $\left(\frac{3}{2}, \frac{1}{2} \right)$
B $\left(\frac{13}{2}, \frac{3}{2} \right)$
C $\left(-\frac{3}{2}, -\frac{1}{2} \right)$
D $\left(-\frac{13}{2}, -\frac{3}{2} \right)$