**5. SHORT RESPONSE** What are the slope and *x*- and *y*-intercepts of the equation below?

**3x – 6y = 18**

**Show all work**

The scatter plot below shows the cost of computer repairs in relation to the number of hours the repair takes

2*x*

4*x*

2*x*

**3.** Zach, Luke, and Charlie ordered a large pizza for $11.99, breadsticks for $2.99, and chicken wings for $5.99. If the three friends agree to split the cost of the food evenly, how much will each friend pay?

**F.** $20.79

**G.** $7.93

**H.** $7.32

**I.** $6.99

**C.** 14 = $\frac{x + 6}{3}$

**D.** 6 = $\frac{x + 14}{3}$

 **SHORT RESPONSE** The sum of a number and 6 is 23. Write an equation to represent this situation.

 **SHORT RESPONSE** What value of *x* makes the polygons below have the

same perimeter?

**A.** 14 = $\frac{x}{3}$ + 6

**B.** 6 = 14 + $\frac{x}{3}$

**Standardized Test Practice**

**Read each question. Then fill in the correct answer on the answer document provided
by your teacher or on a sheet of paper.**

**1.** Which of the following equations matches the description below?

*Six more than the quotient of a number and three is 14.*

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3*x* **+** 2

Distributive Property

Multiplicative Identity

**C.**

**D.**

4*x* **+** 1

**4.** Which property is illustrated by the

equation below?

5(*x* + 2) = 5*x* + 10

**A.** Associative Property of Addition

**B.** Commutative Property of Addition

*x* **+** 2

*x* **+** 2

**8.**

**7.** What is the value of *m* in the equation

below?

4*m* + 7 = –3*m* + 49

F. –6

G. 6

H. 12

I. 42

**2.**

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**13.** What is the simplified form of $\frac{x^{2}y^{3}}{xy}$?

**I.** $\frac{yx}{4}$

**H.** $\frac{xy^{2}}{4}$

 **SHORT RESPONSE** Solve the equation –3*x* – 5 = –14.

**C.** $\frac{5}{r}$ = 200

**D.** 200 = 5*r*

 **SHORT RESPONSE** Simplify and express your answer using a positive exponent.

53 · 57

2*y*

2*y*

***Part A*** Write an expression in simplest form for the perimeter of the ﬁgure.

***Part B***If the perimeter is 77 units, what is the value of *y*?

**16.**

**10.** What is the solution of the equation

–2 = –4 + *t*?

**F.** –6

**G.** –2

**H.** 2

**I.** 6

**15.** Which property is illustrated by the

equation below?

5 · 12 · 25 = 5 · 25 ·12

**A.** Associative Property of

Multiplication

**B.** Commutative Property of

Multiplication

**C.** Distributive Property

**D.** Multiplicative Identity

**9.** Minnie lives 200 miles away from her

grandmother. It took her 5 hours to drive this distance. Which equation can be used to find r, the rate of travel?

**A.** 200 = 5 + *r*

**B.** 200r = 5

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**14.**

**G.** 4*xy*2

2*y* **+** 8

**F.** *xy*2

2*y* **+** 6

3*y* **–** 4

4*y* **–** 2

3*y* **+** 1

3*y* **+** 5

**EXTENDED RESPONSE** The polygon

below has the side lengths shown.

**17.**

**12.** What is the solution of the equation

below?

–2(2*p* – 4) = 3(*p* + 12)

**A.** –28

**B.** –4

**C.** 4

**D.** 28

**11.**

What is the solution of the equation

below?

2*p* – 14 = 4(*p* + 5)

**F.** –17

**G.** –16

**H.** 16

**I.** 17

D

C

B

A

D

C

B

A

D

C

B

A

0

1

2

3

4

5

6

7

8

9

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0

1

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9

**–**

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**Extended Response**

**Record your answers for Exercise 17 on the back of this paper.**

**16.**

**15.**

**14.**

**13.**

**12.**

**6.**

**11.**

**5.**

D

C

B

**10.**

A

**4.**

I

H

G

**9.**

F

**3.**

**8.**

**2.**

**7.**

**1.**

**Fill in the correct answer. For gridded-response questions, write your answers in the boxes on the answer grid and fill in the bubbles to match your answers.**

SCORE

**Student Recording Sheet**

*Use this recording sheet with the Standardized Test Practice pages.*

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0

1

2

3

4

5

6

7

8

9

I

H

G

F

I

H

G

F

I

H

G

F

I

H

G

F