



Level E

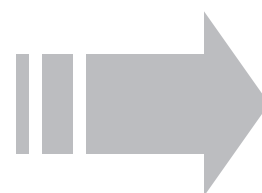
Math

GOALS 2

Sample Items

2023





Turn the page.

DIRECTIONS

1. Mark your answers on the answer sheet. Use a number 2 pencil only.
 2. Please do **not** write in the test booklet.
 3. Try to answer every question. Choose the **one** best answer. If you want to change an answer, be sure to erase the first mark completely.
 4. You may use a calculator and scratch paper.
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Practice 1

Patient Name: Martin Long				
Date	Description	Charge	Insurance Payment	Patient Owes
3/07	Physical Therapy	\$254.00	-\$254.00	
3/14	Physical Therapy	\$245.00	-\$233.00	
3/21	Physical Therapy	\$245.00	-\$148.00	
3/28	Physical Therapy	\$237.00	-\$157.13	
Total Due				\$ ____.

What is the total amount that Martin needs to pay?

- A. \$148.00
- B. \$188.87
- C. \$792.13
- D. \$981.00

Practice 2

Meredith likes to walk to work. Her office and home are both on Pioneer Avenue, but she sometimes takes different streets for exercise.

Pythagorean Theorem: $a^2 + b^2 = c^2$
km = kilometer



About how far is Meredith's office from her home using Pioneer Avenue?

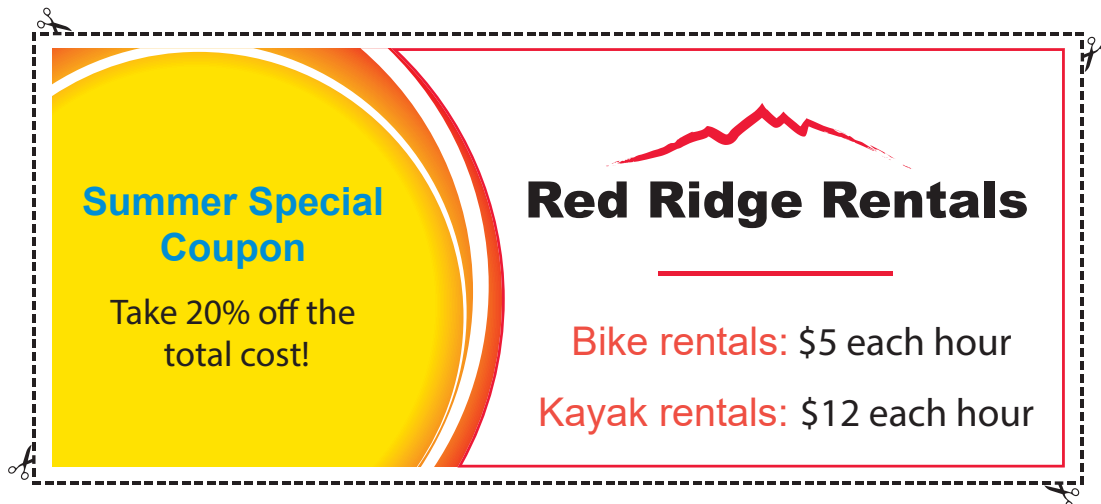
- A. 1.5 km
- B. 2.0 km
- C. 2.5 km
- D. 3.0 km





Turn the page to begin the test.

Ricky wants to go biking and kayaking with his wife and 2 children. He will rent bikes for the entire family for 1 hour each. He will also rent kayaks for each person for 2 hours. He has a coupon for the rentals.



1. How much will Ricky pay in total?

- A. \$76.80
- B. \$92.80
- C. \$96.00
- D. \$116.00

The community pool had an event to raise money. The price to go in the pool was \$6 for adults and \$2 for students. 220 people went in the pool. The event raised \$720.

2. How many adults went in the pool?

- A. 50
- B. 70
- C. 120
- D. 150

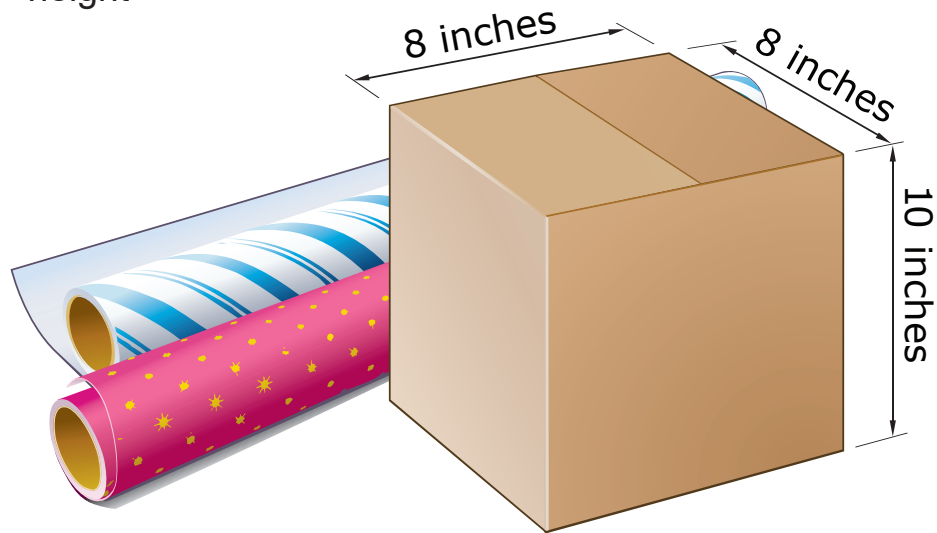
Amar bought gifts for his 3 nieces and 1 nephew. He put each gift in the same size box.

Surface Area Rectangle Prism = $2(wl + hl + hw)$

w = width

l = length

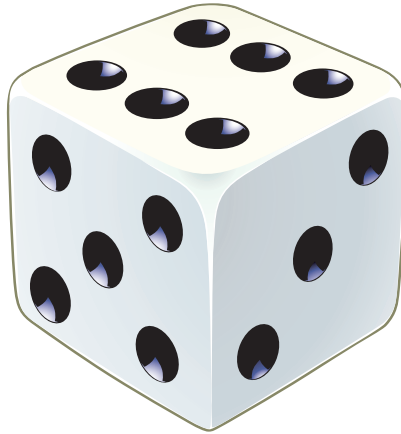
h = height



3. Approximately how much wrapping paper does Amar need to wrap all 4 gifts?

- A. 1,536 square inches
- B. 1,792 square inches
- C. 2,080 square inches
- D. 2,560 square inches

Josh rolls a six-sided die. The first time he rolls the die, he gets a 6.



4. What is the approximate probability Josh will get a 5 or higher on his second roll?

- A. $\frac{1}{6}$
- B. $\frac{1}{3}$
- C. $\frac{2}{3}$
- D. $\frac{5}{6}$

$$\sqrt{2x + 6} - 4 = 0$$

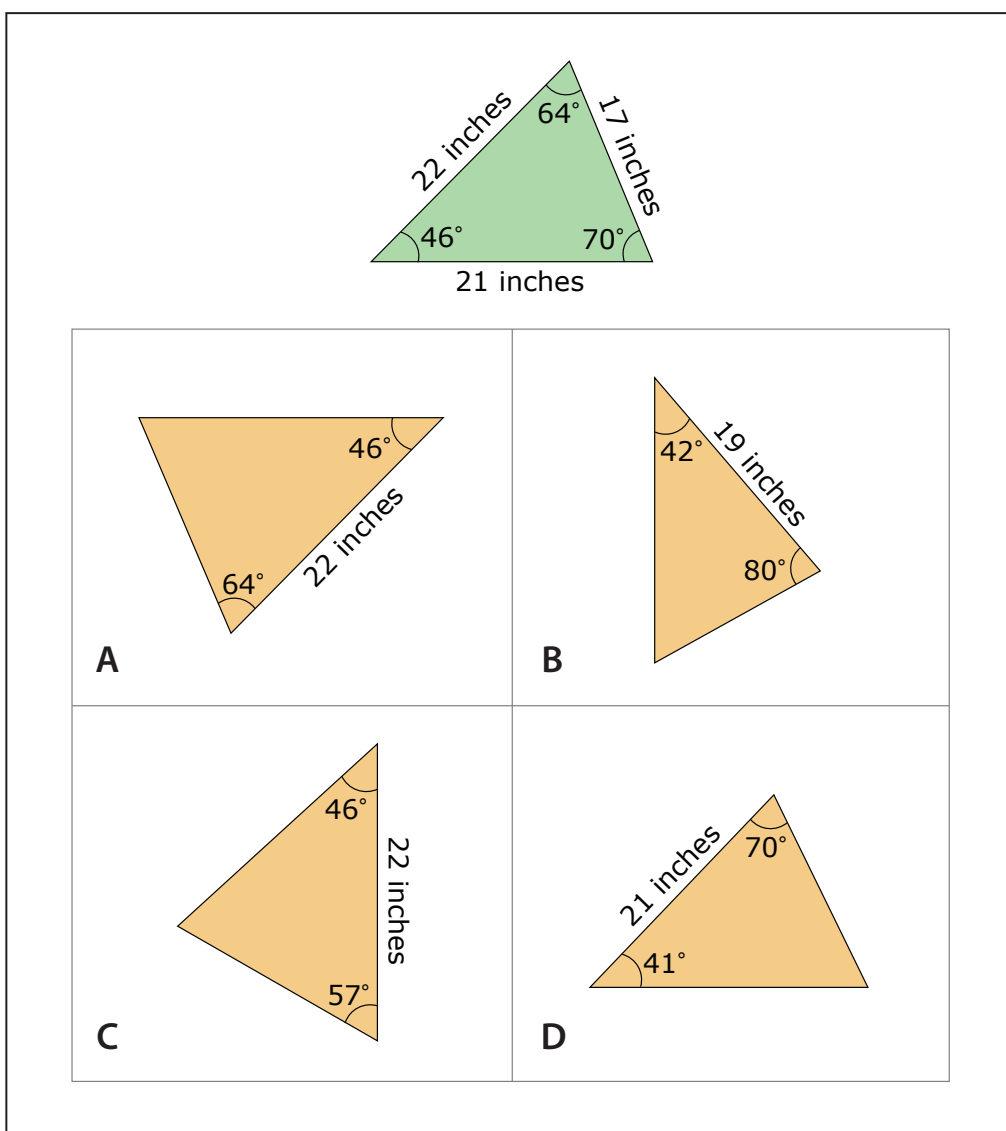
5. What is x in this equation?

- A. -11
- B. -1
- C. 5
- D. 6

$$(2x^3 + x^2 + 4x - 6) + (2x^2 + 3x + 3) =$$

6.

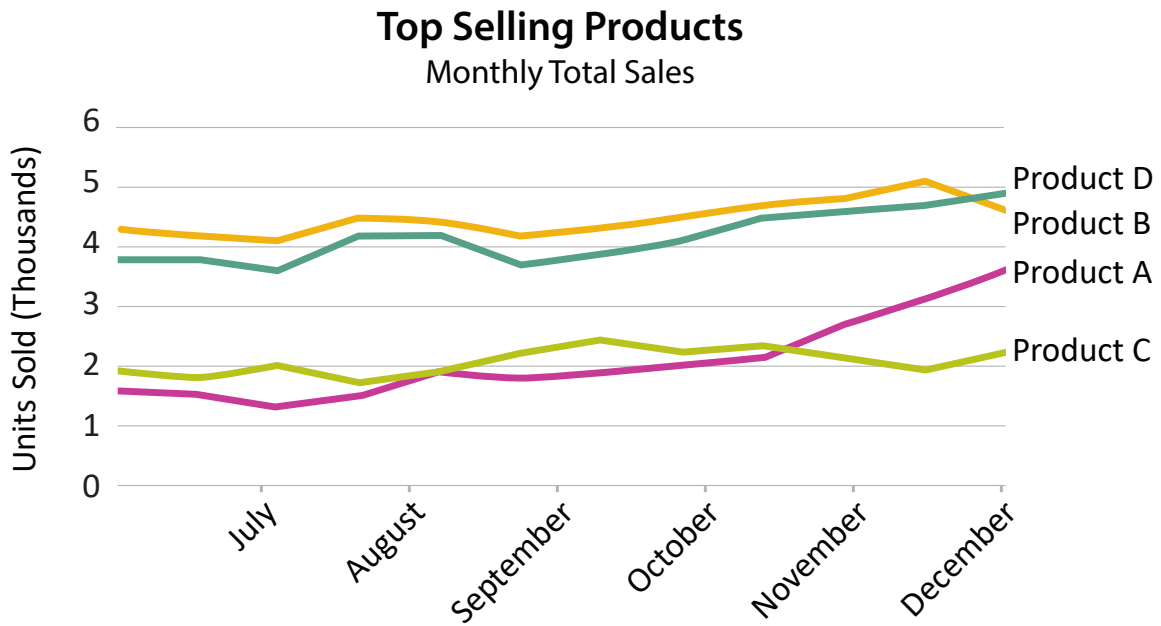
- A. $4x^5 + x^2 + 12x - 18$
- B. $2x^3 + 2x^2 + 7x + 9$
- C. $2x^3 + 3x^2 + 7x - 3$
- D. $x^3 + 6x^2 + x - 3$



7. Which triangle is congruent to the triangle at the top?

- A. A
- B. B
- C. C
- D. D

A company tracks monthly sales of its products. The 4 most popular products are shown in the graph.



8. Based on the current trends, which product will *most likely* have the biggest growth in sales next month?
- A. Product A
 - B. Product B
 - C. Product C
 - D. Product D

CASAS Math GOALS 2 Sample Test Items for Instructional Use

CASAS Math GOALS 2 – Sample Test Items

Answer Keys

Level E

Practice 1. B

Practice 2. C

1. B

2. B

3. B

4. B

5. C

6. C

7. A

8. A