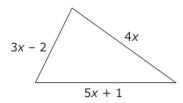
## 7.EE EOG Review

Block:

You must show all work for each problem. A correct answer with no work shown will earn no credit.

- 1. Which is equivalent to the following expression? -1.42(3x 5)
- a. 4.26x + 7.10
- b. 4.26x 7.10
- c. -4.26x + 7.10
- d. -4.26x 7.10



- 2. What is the perimeter of the triangle below?
- a. 12x 3

b. 12x – 1

- c. 10x + 1
- 3. Which expression is equivalent to 2(3p-t)-(-4p+t)?
- a. 2p t

b. 2p - 3t

c. 10p – t

- d. 10p 3t
- 4. Which expression is equivalent to p 3r 3r + 2p?
- a. 3p 6r

b. p - 6r

- c. p 4r
- 5. What is the simplified form of 6n 17p 10n 9p?
- a. -4n 8p

b. -4n - 26p

c. 16n - 8p

d. 16n - 26p

6. The original price of a computer is \$599.99. Suzie has a 15%-off coupon for the computer. A sales tax of 7% will be added to the sale price of the computer. Which expression would calculate how much Suzie will pay for the computer?

- a. 599.99(0.85)(1.07)
- b. 599.99(0.85)(0.07)
- c. 599.99(0.15)(1.07)
- c. 599.99(0.15)(0.07)

7. Angela bought a calculator on sale for 15% off. Sales tax is 7.5%. If the calculator costs x dollars, which expression represents the total cost of the calculator?

- a. (x 0.15)(0.075)
- b. (x 0.15)(1.075)
- c. (x 0.15x)(0.075) d. (x 0.15x)(1.075)

8. At a clothing store, jackets are on sale for 30% off. Sales tax is 5%. Which expression will calculate the total cost of a jacket with an original price of x?

a. x(0.35)

- b. x(0.75)
- c. x(0.70)(1.05)
- d. x(0.70)(0.05)

9. Dylan is buying a book for \$8.99. Sales tax is 7%. Which expression would calculate the total cost of the book?

a. 8.99(0.07)

b. 8.99(0.93)

c. 8.99(1.07)

10. Melinda is paid \$1,200 per month plus 8% of her sales for the month. Which expression would calculate Melinda's monthly pay for x amount of sales?

- a. 1,200(0.08x)
- b. 1,200(0.08) + x
- c. 1,200 + 0.08x
- d. 1,200 + 0.08 + x

| 11. Brett rented a paddle boat. It cost \$6.50 to rent the boat, along with \$2.25 an hour. If he rents it for a part of an hour, a proportional amount is charged. Brett used the paddle boat for 1.5 hours. Brett paid with a 20 dollar bill. How much change did Brett receive? |   |
|--|---|
| a. \$11.25   | b. \$10.12  |
| c. \$9.88  | d. \$8.75   |
| 2  | unds of beef for a cookout. The price for the first 3 pounds of beef is price is \$4.49 per pound. How much will Mr. Roshan pay for the beef? |
| a. \$62.38   | b. \$57.63  |
| c. \$56.13   | d. \$22.41  |
|  | of a 3-mile race in 10.5 minutes. If Tom ran the entire race in 22.5 speed per mile to the nearest tenth for the last half of the race?       |
| a. 7.5 minutes per mile  | b. 8.0 minutes per mile   |
| c. 11.0 minutes per mile   | d. 12.0 minutes per mile  |
| 14. Becky ran 1.7 miles on Monday, $1\frac{1}{2}$ miles on Wednesday, and $2\frac{3}{8}$ miles on Friday. How many total miles did Becky run?  |   |
| a. 5.1 miles   | b. 5.38 miles   |
| c. 5.575 miles   |   |
| _  | er over two days. She made twice as many gallons of cider on day two as<br>ny gallons of cider did Lisa make on day two?                      |
| a. 14  | b. 21   |
| c. 28  | d. 84   |
|  |   |

- 16. The cost for a taxi ride is \$3.00, plus \$0.60 for each mile traveled. Ms. Jackson was charged \$15.60 for a taxi ride. How many miles was Ms. Jackson's taxi ride?
- a. 5

b. 21

c. 26

- d. 31
- 17. Jeremy has \$36 saved. He wants to have \$300 for a trip next year. He will save the same amount of money each month for the next 12 months. How much money will Jeremy need to save each month?
- a. \$22

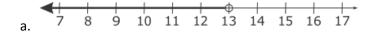
b. \$24

c. \$25

- d. \$28
- 18. Melanie is going to a book sale. All the books are priced for \$2 each, including sales tax. She can spend no more than \$15. Which inequality represents the number of books Melanie can buy?
- a.  $x \le 7$

b.  $x \ge 7$ 

- c.  $x \le 8$
- 19. Which inequality has 3 in its solution set?
- a. 6n + 4 < 20
- b. 6n 4 > 20
- c. 6n + 4 > 20
- 20. Which graph represents the solution to 5 times a number, *n*, is less than 65?



- b. 7 8 9 10 11 12 13 14 15 16 17
- C. 55 56 57 58 59 60 61 62 63 64 65
- d. 55 56 57 58 59 60 61 62 63 64 65