Assignment HomeworkSetFebruary19-February23 due 02/23/2018 at 11:59pm EST

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1. (1 point) Simplify
$-1x+(-8x)+6$=_____

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2. (1 point) Simplify
$8+5-7=$ _____
$8+(5-7)=$ _____
$8-5-7=$ _____
$8-(5-7)=$ _____

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3. (1 point) Simplify
$2+9x+0=$ _____
$2+(9x+0)=$ _____
$2-9x+0=$ _____
$2-(9x+0)=$ _____

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4. (1 point) Simplify
$4+6+3-4=$ _____
$4+6+(3-4)=$ _____
$4+6-3-4=$ _____
$4+6-(3-4)=$ _____

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5. (1 point) Simplify
$4x+8+2x-1=$ _____
$4x+8+(2x-1)=$ _____
$4x+8-2x-1=$ _____
$4x+8-(2x-1)=$ _____

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6. (1 point) Evaluate: $6\cdot 3-2\cdot 2^2+6(10-6)$
Answer: _____

You have 3 attempt(s) remaining before you will receive a new version of this problem.

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7. (1 point) Simplify
$-9x+(-1x)+4x$=_____

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8. (1 point) Use the order of operations to simplify:
(a) $4(-4)-3(-5)=$ _____
(b) $4(-2)^2-6(-1)^2=$ _____

You have 3 attempt(s) remaining before you will receive a new version of this problem.

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9. (1 point) Evaluate: $4\cdot 5-3\cdot 3^2+5(6-8)$
Answer: _____

You have 3 attempt(s) remaining before you will receive a new version of this problem.

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10. (1 point) The table below shows the price y of ground beef based on weight, x.

x (lb)	1.75	2.25
y ($)	$3.85	$4.95

Given that y is proportional to x, write an equation that can be used to find the price, p, of t tickets.

_____

What would be the price of 3 pounds of meat?

_____

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11. (1 point)

/opt/webwork/courses/jmamath7/templates//Library/wwjmamath

[?/A/B/C/D]

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12. (1 point) Solve the following proportions:
(a) $\frac{15}{k}=\frac{6}{22}$
k = _____
(b) $\frac{12}{25}=\frac{x}{88}$
x = _____
If you don't get this in 1 tries, you can get a hint.

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13. (1 point) Simplify
$-2b+(7b-3)$=_____

14. (1 point) Here are three stacks of coins. Stack A has 20 coins, stack B has 13 coins, and stack C has 19 coins.

/opt/webwork/courses/jmamath7/templates//Library/wwjmamath7/hwfeb19/CoinStacks.jpg

What percent of the total coins is in Stack B?

_____

15. (1 point) A baseball team won 75% of its games. If the team played 48 games, how many games did it win?

_____

16. (1 point)

Fill in the blanks with percent. Don't use calculator or paper/pencil. Use mental math.

a. 20 is ___ of 10?
b. 6 is ___ of 2?

17. (1 point) The shaded area of the picture below shows what part of the yard Jessie mowed in 30 minutes.

/opt/webwork/courses/jmamath7/templates//Library/wwjmamath7/hwfeb19/ProportionalRelationships1.png

She wonders about how long it takes her to mow the WHOLE yard. Write a note to Jessie
A. telling her about how long it takes to mow her WHOLE yard, and
B. explaining to her how you found your answer.

18. (1 point) Evaluate: $7 \cdot 3 - 2 \cdot 2^2 + 5(9-3)$

Answer: _____

You have 3 attempt(s) remaining before you will receive a new version of this problem.

19. (1 point) Simplify

$2b-(9b-2)$=____

20. (1 point) Simplify

$4b-(7b+2)$=____

21. (1 point) Use the order of operations to simplify:

(a) $7^2 - 27 \div 3^2 \cdot 4 - 8 =$ _____

(b) $\dfrac{5 \cdot 2 - 2^2}{[3^2-(-3)]^2} =$ _____

You have 3 attempt(s) remaining before you will receive a new version of this problem.

22. (1 point) Use the order of operations to simplify:

(a) $[5-(11-13)]-[6-(4-4)] =$ _____

(b) $2 \cdot 2 - 3 + 2 \cdot 1 =$ _____

You have 3 attempt(s) remaining before you will receive a new version of this problem.

23. (1 point) The graph below represents the cost of purchasing different numbers of tickets to a school play.

/opt/webwork/courses/jmamath7/templates//Library/wwjmamath7/hwfeb19/ProportionalRelationships3.png

As the number of tickets purchased increases by 1, how does the cost of the ticket purchase change?
A. It increases by \$0.50.
B. It increases by \$1.00.

C. It increases by \$2.00.
D. It increases by \$4.00.
[?/A/B/C/D]

24. (1 point) What expression is the result when $2a-5$ subtracted from $3a+3$? Put your answer in simplest (standard) form.

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