

6-12-17

Aim: SWBAT review.

Do Now: Take out the "Extra Practice"

HW: Final Exam tomorrow, June 13th  
Textbook due on or before the final exam

Name \_\_\_\_\_

Date \_\_\_\_\_

## Review Quiz #1 (Expressions, Equations, and Inequalities)

Period \_\_\_\_\_

Circle the letter of the best answer. (2 points each)

1) Simplify the expression:  $-2x + 15x$ A)  $-13x$ B)  $-17x$ C)  $13x$ D)  $17x$ 2) Given the expression:  $-14x - 7y + 22$ , the  $-7$  would be called a \_\_\_\_\_.

A) coefficient

B) term

C) constant

D) variable

3) Simplify the expression:  $3(4x + 5)$ ~~A)  $12x - 15$~~ ~~B)  $7x + 8$~~ C)  $12x + 15$ D)  $12x + 5$ 4) Simplify the expression:  $-5(4x - 5)$ A)  $-20x + 25$ ~~B)  $-20x - 25$~~ ~~C)  $20x + 25$~~ D)  $-20x + 5$ 

5) Which two keywords require a reverse in the order the math is written?

A) "sum" and "difference"

B) "is added to" and "is subtracted from"

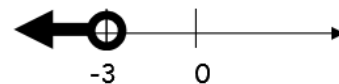
6) Which two keywords require parentheses?

A) "sum" and "difference"

B) "is added to" and "is subtracted from"

7) Circle the solution for  $\frac{5}{6}w = 30$ .~~A)  $-36$~~ ~~B)  $\frac{-1}{36}$~~ C)  $\frac{1}{36}$ D)  $36$ 8) Circle the solution for  $4x - 3 = 17$ A)  $-5$ B)  $5$ C)  $10$ D)  $80$ 

9) Which inequality statement represents the graph?

A)  $x > -3$ ~~B)  $x \leq -3$~~ C)  $x < -3$ ~~D)  $x \geq -3$~~ 

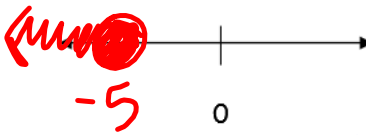
Name \_\_\_\_\_

Date \_\_\_\_\_

Review Quiz #1 (Expressions, Equations, and Inequalities)

Period \_\_\_\_\_

\*

<p>10) Simplify. (4 points) <math>6(2x + 4) + 8 + 3x</math></p> <p><math>12x + 24 + 8 + 3x</math></p> <p><math>15x + 32</math></p>	<p>11) Factor. (3 points) <math>5n - 50</math></p> <p><math>5(n - 10)</math></p>
<p>* 12) Solve. (4 points) <math>4x - 5 = 7x + 4</math></p> <p><math>-4x - 4x</math></p> <p><math>-5 = 3x + 4</math></p> <p><math>-4 - 4</math></p> <p><math>-9 = 3x</math></p> <p><math>\frac{-9}{3} = \frac{3x}{3}</math></p> <p><math>-3 = x</math></p>	<p>13) Check #12. (2 points)</p> <p><math>4x - 5 = 7x + 4</math></p> <p><math>4(-3) - 5 = 7(-3) + 4</math></p> <p><math>-12 - 5 = -21 + 4</math></p> <p><math>-17 = -17</math></p>
<p>* 14) Solve. (4 points) <math>-4x + 6 \geq 26</math></p> <p><math>-6 - 6</math></p> <p><math>-4x \geq 20</math></p> <p><math>\frac{-4x}{-4} \geq \frac{20}{-4}</math></p> <p><math>x \leq -5</math></p>	<p>15) Graph #14. (3 points)</p>  <p>ck1 <math>-4x + 6 \geq 26</math></p> <p><math>-4 \cdot 0 + 6 \geq 26</math></p> <p><math>6 \neq 26</math></p> <p>False</p>

Name \_\_\_\_\_

## Review Quiz #2

Date \_\_\_\_\_

Period \_\_\_\_\_

#1 - 6: Circle the letter of the best answer. (2 points each)

1) A 12-pack of juice boxes costs \$5.40. How much would a 24-pack of juice boxes cost if it is proportional in price?

- a) \$9.40      b) \$10.80      c) \$8.10      d) \$12.15

2) The table below shows the cost of fish at local markets. Which market offers the best buy?

Salmon on Sale	
Captain's	2 lbs for \$7.98 <del>\$3.99</del>
Seacatch	5 lbs for \$9.75 <del>\$1.95</del>
Ocean	3 lbs for \$8.25 <del>\$2.75</del>
Crab Shack	\$2.99/lb

- A. Captain's  
 B. Seacatch  
 C. Ocean  
 D. Crab Shack

\$ on the top!

3) The price of a CD was \$14.98. If the tax was 8%, what was the total cost of the CD?

- A. \$16.18      B. \$16.17      C. ~~\$13.78~~      D. ~~\$1.20~~

4) The wholesale price of a shirt is \$5. A store marked up the shirt 125%. What is the retail price of the shirt?

- A. \$1.25      B. \$6.25      C. \$11.25      D. \$1,125.00

5) A shirt that normally sells for \$28 is on sale at a 10% discount. What is the sale price of the shirt?

- A. ~~\$2.80~~      B. \$25.20      C. \$26.20      D. ~~\$30.80~~

6) Three hundred 7<sup>th</sup> grade students went on the fieldtrip. If 60% of the 7<sup>th</sup> grade students went on the fieldtrip, how many students are in the 7<sup>th</sup> grade?

- A. 500      B. 550      C. 600      D. 650

$$\frac{300}{x} = \frac{60}{100}$$

Name \_\_\_\_\_

Date \_\_\_\_\_

## Review Quiz #2

Period \_\_\_\_\_

#7 - 8: Use a proportion and solve algebraically. (4 points)

7) An aquarium has a scale model of a white shark on display. The model is 5 inches long. If the scale of the model is 2 inches : 7 feet, what is the length of the actual shark?

$$\frac{2 \text{ in.}}{7 \text{ ft.}} = \frac{5 \text{ in.}}{x \text{ ft.}}$$

$$\frac{2x}{2} = \frac{35}{2}$$

$$x = 17\frac{1}{2}$$

The actual length of the shark is 17 $\frac{1}{2}$  ft.

\* 8) The regular price of a shirt is \$45.95. If there is a 30% discount and a 6% sales tax, what is the total cost of the shirt?

Sale price: \$32.165

Total: \$34.0949

The total cost of the shirt is \$ 34.09

#9 - 14: Complete the following chart. (2 points each)

FRACTION	PERCENT	DECIMAL
$\frac{3}{8}$	9) 37.5%	10) 0.375
11) $\frac{7}{4}$	12) 175%	1.75
13) $\frac{2}{25}$	8%	14) 0.08

Name \_\_\_\_\_

Review Quiz #2

Date \_\_\_\_\_

Period \_\_\_\_\_

The table below shows the proportional relationship between the total cost and the number of pints of ice cream you buy. Use it to answer #15 - 18.

Total Cost (\$)	10	15	30	35	40
# of pints	2	3	6	7	8

15) Fill in the missing information in the table. (1 point each)

16) State the constant of proportionality.

5 (1 point)

17) Write an equation showing the relationship between the total cost,  $c$ , and the number of pints,  $p$ .

$c = 5p$  (2 points)

18) How much would a dozen pints of ice cream cost?

\$ 60 (1 point)