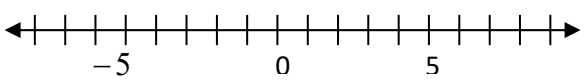
Algebra Foundations Quiz #42 Week 16 Monday Name_____

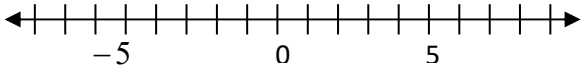
SHOW ALL WORK to receive full credit.

Solve and graph the following inequalities on the number line. (4 points each)

1. $-2(5x-4) \leq -12$



2. $-2x-18 > 7x-9$



Use PEMDAS to simplify the following expressions. (3 points each)

3. $14 \div 2(1+4)^2 =$ _____

4. $\frac{-8^2 \div 2}{4(2)^2} =$_____

Evaluate the formula. (4 points)

5. $C = 2\pi r$ when $\pi = 3.14, r = 12\ cm$

Round to the indicated place value. (2 points each)

6. 63.636 (tenths) _____

7. 3,581.1682 (hundreds) _____

8. 29.5276 (ones) _____

24 points

Add or Subtract the following. You must line them up vertically and show your work. (3 points each)

9. $104.2 + 84.861 + 5 =$ _____

10. $\$156 - \$37.86 =$ _____

Multiply or Divide the following decimals. (3 points each)

11. $5.68 \times 2.07 =$ _____

12. $0.08\overline{)2.1648}$

Change the following fractions to decimals. Round answers to the nearest tenth. (2 points each)

13. $\frac{6}{9} =$ _____

14. $\frac{7}{15} =$ _____

15. $2\frac{3}{4} =$ _____

Use the percent Formula $\frac{\textbf{is}}{\textbf{of}} = \frac{\%}{\textbf{100}}$ to solve the following. Round money answers to the nearest cent (hundredth), all others to the nearest tenth. (4 points each)

16. 17 is what percent of 39?

17. 49 is 58% of what number?

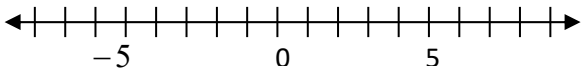
26 points

Algebra Foundations Quiz #43 Week 16 Tuesday Name_____

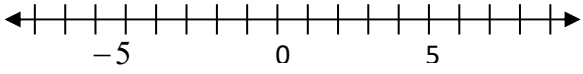
SHOW ALL WORK to receive full credit.

Solve and graph the following inequalities on the number line. (4 points each)

1. $5(4x-3) \leq -75$



2. $-11x-23 > -14x-8$



Use PEMDAS to simplify the following expressions. (3 points each)

3. $12-(3^2-4)^2 \div 5+7 =$ _____

4. $\frac{-(5)^3 \div 5}{12-(3)^2+7} =$_____

Evaluate the formula. (4 points)

5. If $A = \frac{1}{2}h(b_1+b_2)$, then find A when $h = 8\ cm, b_1 = 3\ cm$, and $b_2 = 11\ cm$. A= _____

Round to the indicated place value. (2 points each)

6. 678.231 (tenths) _____

7. 485,692.465 (hundreds) _____

8. 896.29 (ones) _____

24 points

Add or Subtract the following. You must line them up vertically and show your work. (3 points each)

9. $83.63 + 3695.05 + 8.8057 =$ _____

10. $\$207.61 - \$14.75 =$ _____

Multiply or Divide the following decimals. (3 points each)

11. $7.064 \times 3.2 =$ _____

12. $0.5\overline{)147.05}$

Change the following fractions to decimals. Round answers to the nearest tenth. (2 points each)

13. $\frac{5}{8} =$ _____

14. $\frac{2}{7} =$ _____

15. $3\frac{4}{5} =$ _____

Use the percent Formula $\frac{\textbf{is}}{\textbf{of}} = \frac{\%}{\textbf{100}}$ to solve the following. Round money answers to the nearest cent (hundredth), all others to the nearest tenth. (4 points each)

16. 18 is what percent of 75?

17. What number is 61% of 405?

26 points

Algebra Foundations Quiz #44 Week 16 Friday **Name**_____

SHOW ALL WORK to receive full credit.

Solve the following equations and round your answers to the nearest tenth. (4 points each)

1. $2(x+3)-8x=3x+27$

2. $\frac{x-3}{7}=\frac{2x+1}{-3}$

Find the percent of increase or decrease. Round % to the nearest tenth if necessary. (4 points)

3. Steven's score on his weekly Algebra foundations test went from 99 in week ten to 124 in week eleven.
   Increase or Decrease? _____ By how much? _____

   Percent of increase/decrease?_____

Use PEMDAS to simplify the following expressions. (3 points each)

4. $12 \div 2(3-6)^2 =$ _____

5. $\frac{-6^2 \div 4}{12(3)^2} =$_____

Evaluate the formula. (4 points)

6. P $= 2(L) + 2(W)$ when L$= 15\ cm,\ W = 10\ cm$
   P = _____

22 points

Represent each square root as a decimal rounded to the nearest tenth. (2 points each)

7. $\sqrt{93} =$ _____

8. $\sqrt{200}$ _____

Add or Subtract the following. You must line them up vertically and show your work. (3 points each)

9. $789.35 + .0042 + 490 =$ _____

10. $\$398 - \$269.01 =$ _____

Multiply or Divide the following decimals. (3 points each)

11. $5.9 \times 1.05 =$ _____

12. $0.06\overline{)7.3059}$

Fill in the missing parts of the table below. (2 points each blank)

13.

Reduced Fraction	Decimal	Percent
	0.4	
$\frac{3}{8}$		
		24%

28 points