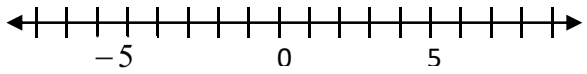
Algebra Foundations Quiz #37 Week 14 Tuesday

Name_____

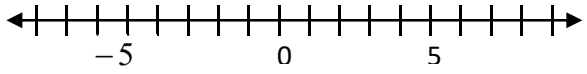
SHOW ALL WORK to receive full credit.

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

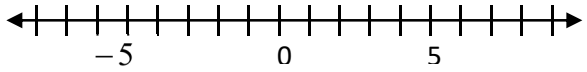
1. $7x - 5 \leq -26$



2. $-15 > 3(2x - 9)$



3. $-16x - 5 \leq -8x - 5$



Use PEMDAS to simplify the following expressions. (4 points each)

4. $(3 - (12 - 15) - 2) \div 2 - 7 =$ _____

5. $13 + (3^2 - 1) \div 2 + 3 =$_____

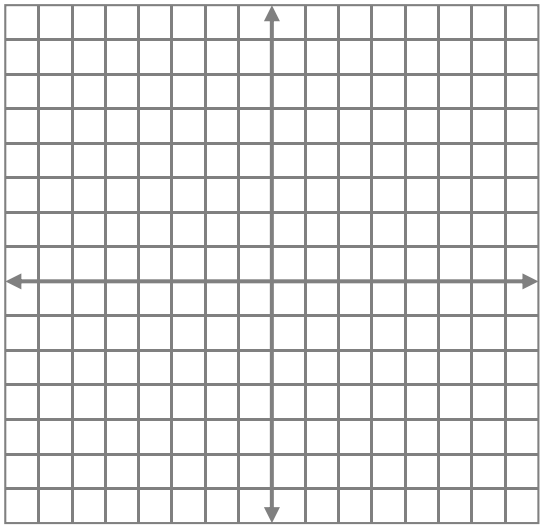
Evaluate the formula. (4 points)

6. $ab - 2b^2$ when $a = 4$ and $b = -3$

24 points

Graph both lines and label the point of intersection. (8 points)

7. $y = \frac{1}{3}x + 3 \;\; and \;\; y = -x - 1$



Point of intersection: _____

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

8. $33 + 5.163 + 129.1 =$ _____

9. $\$504 - \$79.38 =$ _____

10. $17.176 - 4.05 =$ _____

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

11. $3.1654 \times 0.014 =$ _____

12. $5\overline{)\,2\;3.6\;4}$

13. $0.08\overline{)\,5\;6.4}$

26 points

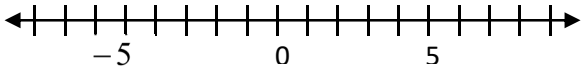
Algebra Foundations Quiz #38 Week 14 Friday

Name_____

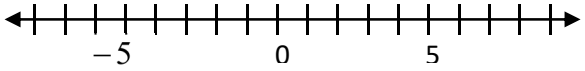
SHOW ALL WORK to receive full credit.

Solve and graph the following inequalities on the number line. (3 points each)

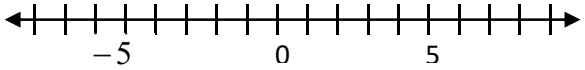
1. $-6x - 9 \leq 27$



2. $-75 > 5(4x - 3)$



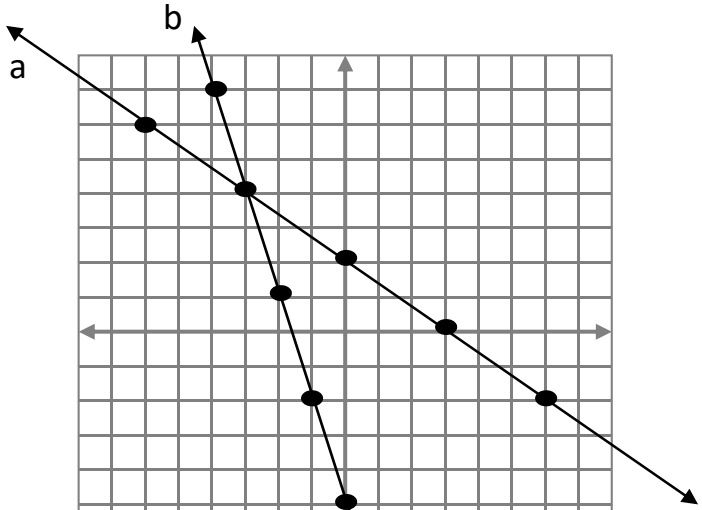
3. $-14x - 8 \leq -11x - 23$



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

4. $(3 - (12 - 20) - 2) \div 3 - 7 =$ _____

5. $13 - (3^2 - 1) \div 2 + 3 =$_____



Give the equation of each line. (3 points each)

6. Line "a":_____

7. Line "b":_____

8. Point of intersection: _____

24 points

Add or Subtract the following. Line up vertically and show your work. (3 points each)

(9.) $5.163 + 129.1 + 27$ (10.) $\$120 - \$79.38$ (11.) $17.16 - 4.875$

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

(12.) 316.54×0.047 (13.) $5\overline{)0.2364}$ (14.) $0.8\overline{)5.64}$

73	73	73	73	73	73	73	73	73
X 1	X 2	X 3	X 4	X 5	X 6	X 7	X 8	X 9
73	146	219	292	365	438	511	584	657

Divide using the facts above. (4 points each)

(15.) $0.073\overline{)0.33726}$ (16.) $0.73\overline{)1876.1}$

26 points