

## AA WS 3.3

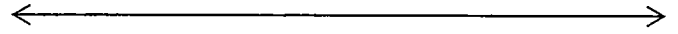
Name: \_\_\_\_\_

Solve each inequality and Graph your solution.

1.  $\frac{x}{6} < 1$



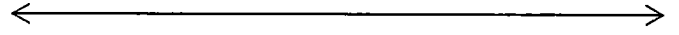
2.  $2 < -\frac{x}{4}$



3.  $-\frac{x}{3} \geq 0.5$



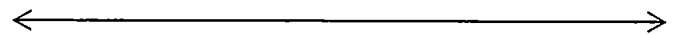
4.  $-5 \leq \frac{5}{2}x$



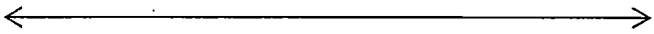
5.  $\frac{4}{3}x \geq 0$



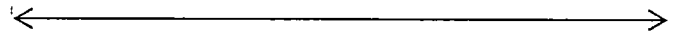
6.  $6 \geq -\frac{3}{2}x$



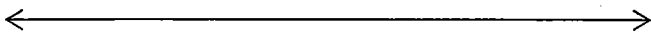
7.  $\frac{3}{4}x \geq -\frac{9}{8}$



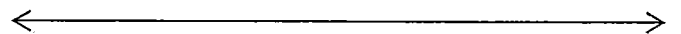
8.  $-\frac{5}{8} > -\frac{5}{6}x$



9.  $4x \geq 8$



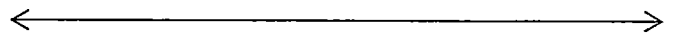
10.  $-20 \geq -5x$



11.  $-7x > 42$

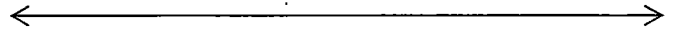
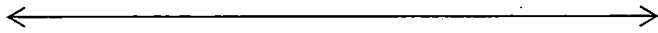


12.  $-3x \leq 16$



13.  $16 > 3.2x$

14.  $3.6 \leq -0.8x$



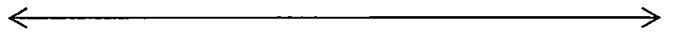
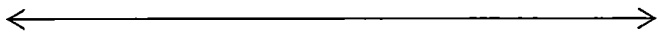
**Write an inequality that represents the situation, and solve.**

15. Tetras cost \$3.99 each. You can spend at most \$25. How many tetras can you buy for your aquarium?

**Write four solutions to each inequality. Hint: Solve & Graph it first...then pick numbers from your shaded region.**

16.  $\frac{x}{2} \leq -1$

17.  $-4 > 8x$



**Review Section 3.1 – Solve each inequality**

18.  $x + 5 \leq -6$

19.  $x - 21 > 54$

20.  $-\frac{2}{3} < x + \frac{1}{3}$

**Review – Solve each equation**

21.  $-x + 8 + 4x = 14$

22.  $-6(2y + 2) = 12$

23.  $0.5x + 3.5 - 2.5x = 1.5x$