Name $\qquad$
Math 7 Honors

Date
HW: Final Exam Review \#1

Directions: Show all work.

1. Solve the equation given:

\[
2(3 x-1)=4 x-8

\] | 2. Two angles are supplementary. Angle 1 is |
| :--- |
| represented by $(4 x-15)$ and angle 2 is |
| represented by $(x+35)$. Determine the measure |
| of the larger angle. |

## 5. Dylan took his friend out to eat. The total bill came to $\$ 67.75$. Sales tax was $8.625 \%$, and then they left a $20 \%$ tip. Determine the total amount they will pay.

6. Abby is selling lemonade in paper cups with the dimensions shown below. Determine the volume of each cup to the nearest tenth. $\left(V=\frac{1}{3} \pi r^{2} h\right)$


Determine the slope ( $m$ ) of the line. $\qquad$

Determine the y-intercept (b). $\qquad$

Write the linear equation. $\qquad$
9. What is $(3 x-7)$ subtracted from $(-8 x-9)$ ?

