

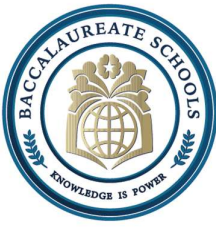


Q1) If $5 \text{ sips} + 4 \text{ gulps} = 1 \text{ glass}$ and $13 \text{ sips} + 7 \text{ gulps} = 2 \text{ glasses}$, how many sips equal a gulp?

Q2) Solve the following systems of linear equations:

$$\begin{aligned} 3x - y &= 8 - x \\ 6x + 4y &= 2y - 9 \end{aligned}$$

$$\begin{aligned} 2(x + y) &= 3y + 5 \\ 3x + 2y &= -3 \end{aligned}$$



Q3) If $f(x) = 5x + 3$ then find the expression $2f(x) - 3$?

Q4) Graph the following system of inequalities and show the region that represents the solution?

$$2y < x$$
$$y \geq 3x + 1$$

