

Student's Name: _____

Grade 10th

13th November, 2025

Q1) Find the value of x

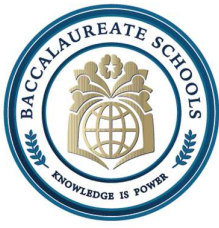
A. $\frac{3x-5}{2} = \frac{4x+7}{5}$

B. $0.4(2x - 5) + 3.6 = 1.2x - 2.8$

C. $\frac{x+1}{3} + \frac{x-2}{4} = \frac{5x-3}{6}$

D. $5(x - 2) - 3(2x + 1) = 2x - 11$

E. $\frac{2x-3}{5} - \frac{x+4}{3} = \frac{7x-2}{15}$



Student's Name: _____

Grade 10th

13th November, 2025

Q2) Express y in terms of x :

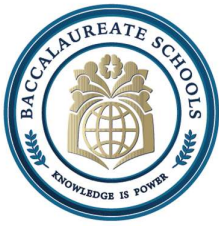
A. $2x - 3y = 5$

B. $4y + 0.5x = 7.2$

C. $x + 3y = 4$

D. $3x + 5y = 2x - 7$

E. $0.25x - 0.6y = 3.5$



Student's Name: _____

Grade 10th

13th November, 2025

Q3) Solve each system of linear equations (find y and x)

A.
$$\begin{cases} 2x + 3y = 11 \\ x - y = 2 \end{cases}$$

B.
$$\begin{cases} \frac{x}{3} + \frac{y}{2} = 4 \\ 2x - y = 5 \end{cases}$$

C.
$$\begin{cases} 0.5x + 0.3y = 4.2 \\ x - 2y = -3 \end{cases}$$

D.
$$\begin{cases} 3x - 4y = 2 \\ \frac{x}{2} + 5 = 7 \end{cases}$$