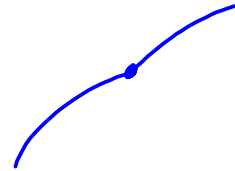


Q.53 #15)

$$\frac{Ax - B}{x - 2} = 3x \quad @ x = 1$$

$$\frac{A - B}{-1} = 3$$

$$A - B = -3$$



$$3x \neq Bx^2 - A \quad @ x = 2$$

$$6 \neq 4B - A$$

$$\begin{aligned} -3 &= A - B \quad (x-2) \\ 6 &= -2A + 2B \\ 6 - 2B &= -2A \\ \frac{6 - 2B}{-2} &= \frac{-2A}{-2} \\ -3 + B &= A \end{aligned}$$

NOT
necessary

$$6 \neq 4B - (-3 + B)$$

$$6 \neq 4B + 3 - B$$

$$6 \neq 3B + 3$$

$$3 \neq 3B$$

$$1 \neq B$$

$$-3 + B = A$$

$$-3 + 1 = A$$

$$-2 \neq A$$