

$$(51) \quad \frac{2x-3}{4x+5} \neq \frac{1}{3}$$

$$\Rightarrow 3(2x-3) = 1(4x+5)$$

$$\Rightarrow 6x-9 = 4x+5$$

$$\Rightarrow 6x-4x = 5+9$$

$$\Rightarrow 2x = 14$$

$$\Rightarrow x = \frac{14}{2}$$

$$\Rightarrow x = 7$$

$$(52) \quad \frac{8}{x} = \frac{5}{x-1}$$

$$\Rightarrow 8(x-1) = 5x$$

$$\Rightarrow 8x-8 = 5x$$

$$\Rightarrow 8x-5x = 8$$

$$\Rightarrow 3x = 8$$

$$\Rightarrow x = \frac{8}{3}$$

$$(53) \quad \frac{5(1-x)+3(1+x)}{1-2x} = 8$$

$$\Rightarrow \frac{5-5x+3+3x}{1-2x} = 8$$

$$\Rightarrow \frac{8-2x}{1-2x} = 8$$

$$\Rightarrow 8(1-2x) = 8-2x$$

$$\Rightarrow 8-16x = 8-2x$$

$$\Rightarrow -16x+2x = 8-8$$

$$\Rightarrow -14x = 0$$

$$\Rightarrow x = 0/-14 \Rightarrow x = 0$$

$$(54) \quad \frac{0.2x+5}{3.5x-3} = \frac{2}{5}$$

$$\Rightarrow 5(0.2x+5) = 2(3.5x-3)$$

$$\Rightarrow x+25 = 7x-6$$

$$\Rightarrow x-7x = -6-25$$

$$\Rightarrow -6x = -31$$

$$\Rightarrow x = \frac{-31}{-6}$$

$$\Rightarrow x = \frac{31}{6}$$

$$(55) \quad \frac{y-(4-3y)}{2y-(3+4y)} = \frac{1}{5}$$

$$\Rightarrow \frac{y-4+3y}{2y-3-4y} = \frac{1}{5}$$

$$\Rightarrow \frac{4y-4}{-2y-3} = \frac{1}{5}$$

$$\Rightarrow 5(4y-4) = -2y-3$$

$$\Rightarrow 20y-20 = -2y-3$$

$$\Rightarrow 20y+2y = -3+20$$

$$\Rightarrow 22y = 17$$

$$\Rightarrow y = \frac{17}{22}$$