$$a) 5x-4\left(2x+3\right)+8=4-7x$$

$$a) 2\left(4x+1\right)-4\left(5-x\right)-5=2\left(10-x\right)-12+3(5x-7)$$

$$c)\frac{x+3}{2}+\frac{2x}{3}=6$$

$$d)\frac{x-3}{2}-\frac{5-2x}{5}+\frac{2}{3}=\frac{x}{6}-\frac{3x-7}{10}+1$$

$$e)x^{3}+2x^{2}-x-3$$

$$f)-2x^{3}+x+1$$

$$g)\frac{x+5}{x^{2}+10x+25}-\frac{x+4}{x^{2}-16}$$

$$h)\frac{x^{2}+6x+9}{x+3}+\frac{x^{2}-9}{x-3}$$