

(1) a)
$$\frac{x+5}{4} + \frac{x+7}{5} = 4$$

c)
$$\frac{x+2}{4} + \frac{x+4}{2} = 7$$

b)
$$\frac{x+1}{3} + \frac{x+10}{5} = 5$$

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

(2) a)
$$\frac{x+3}{5} + \frac{x+1}{2} = 6$$

c)
$$\frac{x+3}{2} + \frac{x+6}{5} = 9$$

b)
$$\frac{x+4}{3} + \frac{x+13}{7} = 7$$

d)
$$\frac{2x+2}{21} + \frac{x-13}{7} = 3$$

(3) a)
$$\frac{x+10}{4} - \frac{x-1}{5} = 3$$

c)
$$\frac{3x-2}{2} - \frac{3x-5}{7} = 4$$

b)
$$\frac{4x+1}{3} - \frac{5x-1}{12} = 5$$

d)
$$\frac{7x-3}{9} + \frac{4x-6}{3} = 4$$

(4) a)
$$\frac{7x-5}{6} = 6 - \frac{2x-1}{9}$$

c)
$$\frac{x-2}{4} - \frac{7x+2}{10} = 2$$

b)
$$\frac{3x+5}{7} + 2 = \frac{11x-5}{8} + \frac{1}{2}$$

d)
$$\frac{x+2}{3} + \frac{x-4}{2} = 7$$

(5) a)
$$\frac{5x-2}{3} - \frac{3x+2}{7} = 4$$

c)
$$2 \cdot \frac{4x+3}{5} - 4 = \frac{3x-5}{2}$$

b)
$$\frac{2x+11}{7} + \frac{7x+5}{2} = 23$$

d)
$$-3 \cdot \left(\frac{6x-1}{11} - \frac{x+6}{2} \right) = 9$$