

$$1) \frac{2}{5} \div \frac{3x - \frac{1}{5}}{5} - \frac{1}{5} = \frac{1}{20}$$

$$\frac{2}{5} : \left(\frac{3}{5}x - \frac{1}{5} \right) - \frac{1}{5} = \frac{1}{20}$$

$$\frac{2}{5} : \left(\frac{3}{5}x - \frac{1}{5} \right) = \frac{1}{20} + \frac{1}{5}$$

$$\frac{2}{5} : \left(\frac{3}{5}x - \frac{1}{5} \right) = \frac{5}{20}$$

$$\frac{3}{5}x - \frac{1}{5} = \frac{2}{5} : \frac{5}{20}$$

$$3x - \frac{1}{5} = \frac{2}{5} : \frac{20}{5}$$

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

$$3x = \frac{9}{5}$$

$$x = \frac{9}{5} : 3$$

$$x = \frac{9}{5} : \frac{3}{1}$$

$$x = \frac{3}{5}$$

$$2) \frac{2}{3} \div \frac{5}{6}x - \frac{1}{6} + \frac{1}{3} = \frac{7}{9}$$

$$\frac{2}{3} : \left(\frac{5}{6}x - \frac{1}{6} \right) + \frac{1}{3} = \frac{7}{9}$$

$$\frac{2}{3} : \left(\frac{5}{6}x - \frac{1}{6} \right) = \frac{7}{9} - \frac{1}{3}$$

$$\frac{2}{3} : \left(\frac{5}{6}x - \frac{1}{6} \right) = \frac{4}{9}$$

$$\frac{5}{6}x - \frac{1}{6} = \frac{2}{3} : \frac{4}{9}$$

$$\frac{5}{6}x - \frac{1}{6} = \frac{2}{3} : \frac{4}{9}$$

$$\frac{5}{6}x - \frac{1}{6} = \frac{3}{2}$$

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

$$\frac{5}{6}x = \frac{10}{6}$$

$$x = \frac{10}{6} : \frac{5}{6}$$

$$x = \frac{10}{6} : \frac{5}{6}$$

$$x = 2$$