

## 2. Linear Equations in One Variable

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

Q 1 Solve the equation:

Mark (1)

Q 2 The two third of a number increased by 9 equals 19. Find the number.

Mark (1)

$$\frac{6}{2x - (3 - 4x)} = \frac{2}{3}$$

Q 3 Solve the equation:

Mark (1)

$$\frac{2x}{3x + 1} = -3.$$

Q 4 Solve the equation:

Mark (1)

Q 5 Solve the equation:  $5x - 3 = 3x - 5$

Mark (1)

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

Q 6 Solve the equation:

Mark (1)

$$\frac{x}{5} + 1 = \frac{1}{15}$$

Q 7 Solve the equation:

Marks (2)

$$x - 2x + 2 - \frac{16}{2}x = 3 - \frac{7}{2}x$$

Q 8 Solve the equation:

Marks (2)

$$\frac{x^2 + 4}{3x^2 + 7} = \frac{1}{2}$$

Q 9 Solve the equation:

Marks (2)