

$$4(i) \quad p(x) = x - 5$$

For finding zero

$$x - 5 = 0$$

$$\Rightarrow x = 5$$

$\therefore 5$ is a zero of $p(x)$

$$4(vi) \quad p(x) = cx + d, \quad c \neq 0$$

For finding zero

$$cx + d = 0$$

$$\Rightarrow x = -\frac{d}{c}$$

$\therefore -\frac{d}{c}$ is a zero of $p(x)$

$$4(ii) \quad p(x) = 2x + 5$$

For finding zero

$$2x + 5 = 0$$

$$\Rightarrow x = -\frac{5}{2}$$

$\therefore -\frac{5}{2}$ is a zero of $p(x)$

$$4(iii) \quad p(x) = 3x - 2$$

For finding zero

$$3x - 2 = 0$$

$$\Rightarrow x = \frac{2}{3}$$

$\therefore \frac{2}{3}$ is a zero of $p(x)$

$$4(iv) \quad p(x) = 3x$$

For finding zero

$$3x = 0$$

$$\Rightarrow x = 0$$

$\therefore 0$ is a zero of $p(x)$

$$4(v) \quad p(x) = ax, \quad a \neq 0$$

For finding zero

$$ax = 0$$

$$\Rightarrow x = \frac{0}{a}$$

$$\Rightarrow x = 0$$

$\therefore 0$ is a zero of $p(x)$