Solve the Equations

Give your answers as fractions or mixed numbers.

$$\frac{2x}{3} = \frac{x+3}{10}$$

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

$$\frac{y+1}{8} = \frac{2y}{5}$$

$$\frac{3k}{7} = \frac{k+4}{5}$$

$$\frac{2}{2p+1} = \frac{3}{4p}$$

$$\frac{2}{5n} = \frac{3}{3n+2}$$

$$\frac{10}{9c} = \frac{3}{4c+2}$$

$$\frac{5}{5k+1} = \frac{9}{10k}$$

Solve the Equations

Give your answers as fractions or mixed numbers.

$$\frac{2x}{3} = \frac{x+3}{10}$$

$$x = \frac{9}{17}$$

$$\frac{2}{2p+1} = \frac{3}{4p}$$

$$p = 1\frac{1}{2}$$

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

$$p = -3$$

$$\frac{2}{5n} = \frac{3}{3n+2}$$

$$n = \frac{4}{9}$$

$$\frac{y+1}{8} = \frac{2y}{5}$$

$$y = \frac{5}{11}$$

$$\frac{10}{9c} = \frac{3}{4c+2}$$

$$c = -1\frac{7}{13}$$

$$\frac{3k}{7} = \frac{k+4}{5}$$

$$k = 3\frac{1}{2}$$

$$\frac{5}{5k+1} = \frac{9}{10k}$$

$$k = 1\frac{4}{5}$$