

(1) [5] Solve for y :

$$\sqrt{y} + \sqrt{y+2} = 3$$

(2) [5] Solve for n :

$$4 + n^2 = 2n$$

(3) [5] Solve for x :

$$\frac{2}{x^2 - 1} - \frac{1}{x(x - 1)} = \frac{2}{x^2}$$