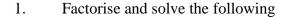
Immaculate Conception High School Grade 10 Mathematics Quadratic Equations Classwork January 25, 2021



(i)
$$x^2 - x - 110 = 0$$
 [2]

(ii)
$$x^2 - 144 = 0$$
 [2]

(iii)
$$x^2 + 6x = 0$$
 [2]

(iv)
$$8x^2 + 18x + 9 = 0$$
 [4]

- 2. Use the quadratic formula to solve $6x^2 + 5x 6 = 0$. [5]
- 3. A rectangle is x cm wide and 3 cm longer than its wide. If it area is 28 cm², form an equation in x and solve it. Here in termine the dimensions of the rectangle. [5]
- 4. Solven evolowing pair of Simplificates equations

$$y = 2x^{2} - 3x - 8$$

$$y = 2x - 1$$
[7]

[Total 27]