01/06/2020 **JESUS AND MARY SCHOOL AND COLLEGE**  MODULE-5

**CLASS-10 (MATHS)**

**CHAPTER NAME– QUADRATIC EQUATIONS IN ONE VARIABLE**

**Note: Please refer to the video uploaded for this chapter.**

**WORKSHEET-1**

1. $Solve the quadratic equation 3x^{2}-5x-12=0$.
2. $Solve the quadratic equation x\left(6x+1\right)=35$.
3. $Solve the quadratic equation 3(x-2)^{2}=147$.
4. $Solve the quadratic equation x^{2}-\left(p+q\right)x+pq=0$.
5. $Solve the quadratic equation 4\sqrt{3}x^{2}+5x-2\sqrt{3}=0$.
6. $Solve the quadratic equation \frac{2}{x^{2}}-\frac{5}{x}+2=0,x\ne 0$.
7. $Solve the quadratic equation \frac{x+2}{x+3}=\frac{2x-3}{3x-7}$ .
8. $Solve the quadratic equation \frac{8}{x+3}-\frac{3}{2-x}=2$
9. $Solve the quadratic equation \sqrt{3x+4}=x$.
10. $Use the substitution y=3x+1 to solve for x:$

$$5(3x+1)^{2}+6\left(3x+1\right)-8=0$$

**Note**- **Please do this assignment in your copies. It will be checked when the school re-opens.**

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