Homework 02

MATH 1550: Precalculus - Fall 2010 - Section 10

Due: Tuesday 07, September, in class

1. (Text Prob. 3 on p.17) Determine whether $y = -3$ is a solution of $\dfrac{2}{y-1} - \dfrac{3}{y} = \dfrac{7}{y^2 - y}$.

2. (Text Prob. 4 on p.17) Determine whether $y = 5$ is a solution of $(y-1)(y+5) = 0$.

3. (Text Prob. 9 on p.17) Solve $1 - (2m+5) = -3m$ for m.

4. (Text Prob. 10 on p.17) Solve $(x+2)(x+1) = x^2 + 11$ for x.

5. (Text Prob. 22(b) on p.17) Solve $\dfrac{3}{x-2} = \dfrac{5}{9x-2}$ for x.

6. (Text Prob. 24 on p.17) Solve $x^2 - 5x - 6 = 0$ for x by factoring.

7. (Text Prob. 25 on p.17) Solve $x^2 - 5x = -6$ for x by factoring.

8. Solve $4x^2 = 9$ for x by factoring.