

Math 111 Exam #3 Answers

1.  $-2y^3 + 3y^2 - y$

2.  $10a^2 + 14ab - 12b^2$

3. a.  $(3n - 5t)^2$

b.  $2x(2x + 7)(x - 4)$

4.  $w = -2$  or  $w = 1$

5.  $\frac{m + 2}{m^4(m - 3)}$

6.  $a = 10$

$x(x + 3) = 88$

7. or

$x^2 + 3x = 88$

8. a. does not exist

b.  $-\frac{1}{20}$

9. 81

10.  $x > 120$

11. 20/9 hours