

**Business PreCalculus**    MATH 1643 Section 004, Spring 2014  
**Answer key: worksheet 3**

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**I-** Answers:

**1.**  $(x + 4)(x + 3)$

**2.**  $(x^2 + 1)(x + 1)(x - 1)$

**3.**  $(x + 2 - 5a)(x + 2 + 5a)$

**4.**  $3x^3(x + 2y)^2$

**5.**  $(x - 4)^2$

**6.**  $7(x + 2)(x^2 - 2x + 4)$

**7.**  $(x - 5)(x^2 + 1)$

**8.**  $(2 - 3x)(4 + 6x + 9x^2)$