

Student: _____
Date: _____
Time: _____

Instructor: Alyson Muff
Course: Math 012 Spring 2013 section
7983
Book: Martin-Gay: Intermediate
Algebra, 6e

Assignment: Quiz 3

1. Factor the following trinomial.

$$x^2 - 5x - 50$$

Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

- ☐ A. $x^2 - 5x - 50 = \square$ (Type your answer in factored form.)
☐ B. The polynomial is prime.

ID: 5.6.7

2. Factor completely.

$$10x^3 - x^2 - 2x$$

Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

- ☐ A. $10x^3 - x^2 - 2x = \square$
☐ B. $10x^3 - x^2 - 2x$ is prime.

ID: 5.6.69

3. Factor the following.

$$x^2 - 22x + 121 - y^2$$

Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

- ☐ A. $x^2 - 22x + 121 - y^2 = \square$
☐ B. $x^2 - 22x + 121 - y^2$ is prime.

ID: 5.7.59

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4. Factor the following.

$$250x^3 - 54y^3$$

Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

- ☐ A. $250x^3 - 54y^3 = \square$
☐ B. The polynomial is prime.

ID: 5.7.37

5. Factor out the greatest common factor from the following polynomial.

$$30a^6b^6 - 40a^7b^7 + 40ab - 40a^7b$$

Select the correct choice below and, if necessary, fill in the answer box to complete your choice.

- ☐ A. $30a^6b^6 - 40a^7b^7 + 40ab - 40a^7b = \square$
(Type your answer in factored form.)
☐ B. The polynomial has no common factor other than 1.

ID: 5.5.15