

Fifth Quiz
April 12, 2013

Name: _____

1. Factor:

(a) $2ab^3 - 6a^2b^2 + 2ba^3$

(b) $x^2 - 7x + 12$

(c) $x^2 + 8x + 12$

(d) $30x^2 - 42x$

(e) $8a^4 + 32a^3 + 30a^2$

(f) $6x^2 - 13x + 6$

(g) $6x^2 - 37x + 6$

(h) $2y^2 - 128$

(i) $3a^3 - 75a$

(j) $2a^2x^2 - 2b^2x^2 - 5xa^2 + 5xb^2 + 3b^2 - 3a^2$

2. Which of the following is a factor of $12x^2 - 7x - 10$:

- A. $3x + 2$ B. $3x - 2$ C. $4x - 5$ D. $4x + 3$

3. Which of the following is a factor of $6b^2 - 33b + 15$:

- A. $b + 5$ B. $3b - 1$ C. $b - 3$ D. $2b - 5$

4. Which of the following is a factor of $y^3 + 6y^2 + 11y + 6$

- A. $y - 2$ B. $y + 1$ C. $y - 3$ D. $y + 4$