

Subtraction of Polynomials
02/29/2012

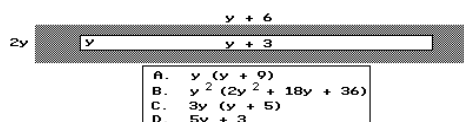
Student Name: _____

Class: _____

Date: _____

Instructions: **Read each question carefully and select the correct answer.**

1. Find the area of the shaded region.



- A. A
B. B
C. C
D. D

2. Subtract:

$$14x - (-4 + 32x + 12x^3 + 16x^2)$$

- A. $-12x^3 - 16x^2 - 18x + 4$
B. $12x^3 + 16x^2 - 18x - 4$
C. $12x^3 - 16x^2 - 32x - 18$
D. $12x^3 - 16x^2 - 32x - 18$

3. Simplify.

$$(3a^3 + 5a + 7) - (4a^2 - 6a)$$

- A. $-a^3 + 11a + 7$
B. $3a^3 - 4a^2 - a + 7$
C. $3a^3 - 4a^2 + 11a + 7$
D. $7a^3 - a + 7$

4. Subtract eight more than three times a number from six less than five times a number.

- A. $2x - 14$
- B. $-2x - 14$
- C. $2x + 2$
- D. $-2x + 2$