



Integers & Exponents

Name _____ Class _____ Date _____

1 The integer 6, raised to the zero power equals ____.

Circle the answer.

6^0

- 0 1 6 -6

6 Multiply the integers.

$7^3 \times 7^2 = \underline{\hspace{2cm}}$

- 7^2 7^5 49^1 49^5

2 Multiply the integers with the same base:

$6^5 \times 6^4 = \underline{\hspace{2cm}}$

- 36^1 36^9 6^1 6^9

7 Circle the answer.

$3x^8 \times 9x^0 = \underline{\hspace{2cm}}$

- $27x^9$ $27x^8$ $12x^9$ $12x^8$

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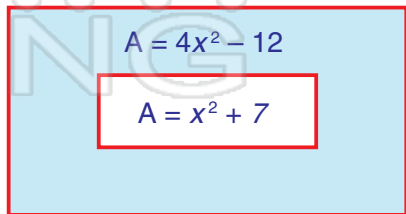
5 Circle the answer.

$2x^3 \times 2x = \underline{\hspace{2cm}}$

- $4x^4$ $2x^4$ $4x^2$ $2x^2$

10 What is the area of the shaded region in terms of x ?

- a. $3x^2 - 5$
- b. $3x^2 - 19$
- c. $5x^2 - 5$
- d. $5x^2 - 19$





Integers & Exponents - Answer Key

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16^3 16^{13} 4^3 4^{13}

5 Circle the answer.

$2x^3 \times 2x =$ ____

$4x^4$ $2x^4$ $4x^2$ $2x^2$

c. 5.49×10^{-5}

d. 5.49×10^5

10 What is the area of the shaded region in terms of x ?

a. $3x^2 - 5$

b. $3x^2 - 19$

c. $5x^2 - 5$

d. $5x^2 - 19$

$A = 4x^2 - 12$

$A = x^2 + 7$