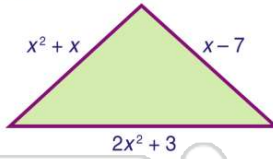




Name _____ Class _____ Date _____

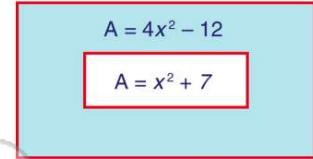
1 What is the **perimeter** of the figure shown in terms of x ?

- A $4x^2 + 2x - 4$
- B $3x^2 + 4$
- C $3x^2 - 4$
- D $3x^2 + 2x - 4$



2 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 $5x^2 - 19$



3 The integer 6, raised to the **zero power** equals _____.

- A 0
- B 1
- C 6
- D -6

$$6^0$$

4 What is 4^{-2} ?

- A -16
- B $\frac{1}{8}$
- C $\frac{1}{16}$
- D 16



5

TABLE



PREVIEW

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7

TABLE

- C 49^1
- D 49^5

- C 4^3
- D 4^{13}

9

What is $x^4 \cdot x^2$?

- A x^2
- B $2x^2$
- C $2x^6$
- D x^6

10

What is $2x^3 \cdot 2x$?

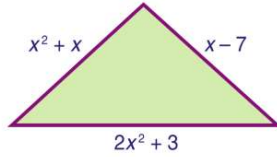
- A $4x^4$
- B $2x^4$
- C $4x^2$
- D $2x^2$



ANSWER KEY

What is the **perimeter** of the figure shown in terms of x ?

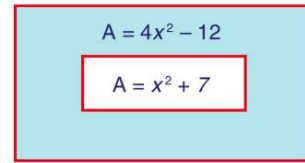
- A $4x^2 + 2x - 4$
- B $3x^2 + 4$
- C $3x^2 - 4$
- D $3x^2 + 2x - 4$



(d)

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 $5x^2 - 19$



(b)

The integer 6, raised to the **zero power** equals _____.

- A 0
- B 1
- C 6
- D -6

6^0

(b)

What is 4^{-2} ?

- A -16
- B $\frac{1}{8}$
- C $\frac{1}{16}$
- D 16

(c)



PREVIEW

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What is $x^4 \cdot x^2$?

- A x^2
- B $2x^2$
- C $2x^6$
- D x^6

(d)

What is $2x^3 \cdot 2x$?

- A $4x^4$
- B $2x^4$
- C $4x^2$
- D $2x^2$

(a)