

Algebraic Expressions Practice Test Question Answers

SET 1

1. The coefficient of xy in $3x^2zy + 7xyz - 2z^2x$ is	
<input checked="" type="radio"/> A. $-5z$	<input checked="" type="radio"/> B. $3.5z$
<input checked="" type="radio"/> C. -2	<input checked="" type="radio"/> D. $7z$
<input checked="" type="radio"/> E. $5yz$	

Answers

2. The factors of the term $-xy^2$ are	
<input type="radio"/> A. $x \times y \times y$	<input type="radio"/> B. $-1 \times y \times y$
<input type="radio"/> C. $-1 \times x \times y$	<input type="radio"/> D. $-1 \times x \times y \times y$
<input type="radio"/> E. NOTA	

Answers

3. Simplify the expression $7x^3 - 3x^2y + xy^2 + x^2y - y^3$	
<input type="radio"/> A. $7x^3 - 2x^2y + xy^2 - y^3$	<input type="radio"/> B. $7x^3 - 2x^2y + xy^2$
<input type="radio"/> C. $7x^3 - 2x^3y$	<input type="radio"/> D. $7x^3 - 2xy^3$
<input type="radio"/> E. $17xy$	

Answers

$$7x^3 - 2x^2y + xy^2 - y^3$$

4. Find the value of the following expressions at $a = 1$ and $b = -2$:	
$a^3 + a^2b + ab^2 + b^3$	
<input type="radio"/> A. 1	<input type="radio"/> B. 0

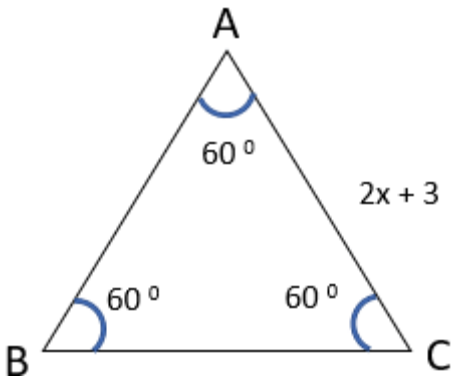
C. 10

D. -5

E. -1

Answers

5. Find each side of an equilateral triangle given below, if it's perimeter is 240 cm.



A. 38.5 cm

B. 65.5

C. 77 cm

D. 80 cm

E. 90.5 cm

Answers

6. Number of terms in the expression $3x^2y - 2y^2z - z^2x + 5$ is

A. -1

B. 0

C. 2

D. 4

E. -2

Answers

7. Which of the following is a pair of like terms?

A. $-7xy^2z, -7x^2yz$

B. $-10xyz^2, 3xyz^2$

C. $3xyz, 3x^2y^2z^2$
 D. $4xyz^2, 4x^2yz$
 E. $-2xyz^2, 2x^2yz$

Answers

8. The side length of the top of square table is x . The expression for perimeter is:

 A. $4 + x$
 B. $2x$
 C. $4x$
 D. $8x$
 E. $16x$

Answers

9. The value of $3x^2 - 5x + 3$ when $x = 1$ is

 A. 1

 B. -1

 C. 0

 D. 11

 E. -1.5

Answers

10. The expression for the number of diagonals that we can make from one vertex of a n sided polygon is:

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

Answers