



Practice Questions *Algebraic Expressions*

Directions: Select the letter of the correct answer for each question below.

1) Evaluate $2x^2y - 3xy + z$ at $x = 1$, $y = 2$, and $z = -1$

- a) - 1
- b) - 2
- c) - 3
- d) - 4

2) Write an algebraic expression that represents the phrase “the sum of a number and one-fourth of it”.

- a) $x + \frac{1}{4}$
- b) $\frac{1}{4} + \frac{1}{4}x$
- c) $\frac{1}{4}x$
- d) $x + \frac{1}{4}x$

3) Translate $\frac{3x}{2}$ into words.

- a) The ratio of a number to thrice of it
- b) Three times a number decreased by 2
- c) Thrice the ratio of a number to 2
- d) The ratio of thrice a number to 2

4) What is $\frac{a}{3} - a^2$ if $a = 1$?

- a) $-\frac{2}{3}$
- b) $-\frac{1}{3}$
- c) $\frac{2}{3}$
- d) $\frac{1}{3}$

5) What is “The sum of two numbers is at least 5” in symbols?



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Practice Questions

Algebraic Expressions

- a) $x + y < 5$
- b) $x + y \leq 5$
- c) $x + y \geq 5$
- d) $x + y > 5$



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