

Answer The Following

1) Lisa is 8 years younger than Michael. If Michael is y years old, what is the age of Lisa?

2) Find the sum of following poly nomials

A) $y^2 + 2x^2y + 2xy^2 + 12xy + 8x + 8y$ and $-6y^2 - 10xy^2 - 7xy - 7x - 2$

B) $-x^2 + 3y^2 + 6x^2y + 18x$ and $-6x^2 + 18y^2 + 14xy + 6x$

3) The side of a regular polygon shown is a . Write the perimeter of this regular polygon using a .



4) Find the difference between following poly nomials

A) $8c^2 + 2p^2c + 12pc^2 + 8pc + 2p$ and $-4p^2 + 8c^2 + p^2c + pc + 4p + 2c + 6$

B) $-3c^2 + 8p^2c + 3pc^2 + 8p + 6$ and $-18c^2 + 6p^2c + 8pc + 8c$

5) 14 years ago, Betty's cousin's age was 3 times more the age of Betty. If her cousin's age is 78 now, how old is Betty now?

Choose correct answer (s) from given choice

6) The length of a rectangular field is 8 inches more than its breadth. If its perimeter is 48 inches, what is the length of the field in inches?

- a. 13
- b. 16
- c. 15
- d. 17

7) David is standing in a row. If he is x^{th} from the left and y^{th} from the right, how many people are standing in the row?

- a. $x + y - 1$
- b. $x + y + 1$
- c. $x + y$
- d. None of these

8) Find the sum of the following poly nomials

A) $-4a^2 + a + 3$ and $2a^2 + 7a + 6$

- a. $a^2 + 8a + 3$
- b. $a^2 + 8a + 9$