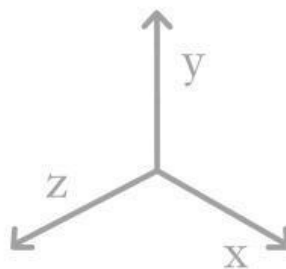


6



$$\pi = 3,14$$



7

$$x^2$$

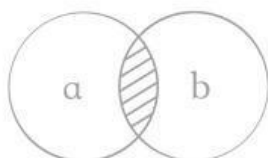
Determine Value of Multiterms

$$F(x)$$

# Math

Name:

$$\sqrt[n]{a}$$



3



$$a^2 + b^2 = c^2$$

X

# ALGEBRA

## Learning Outcomes:

Determine value of multiterm algebra form if the value of all variable is known.

### LET'S RECALL!



## Elements of Algebra

$$5y + 4$$

Diagram illustrating the elements of the algebraic expression  $5y + 4$ . Arrows point from the coefficient 5, the variable y, and the constant 4 to dotted lines below, indicating their respective parts.

### Recall: Multiplication Concept

Petunjuk: Isi kotak yang tersedia dengan jawaban yang tepat!

2 x 3a = [ ]

[ ] x 4b = [ ]

2 x 4yz = [ ]

40bc



# ALGEBRA

LOOK AT THIS VIDEO!



We can determine the value of an algebraic form if all the values of the variables are known.



## Practice 1: Matching

Match the pictures with the best answer!

$x =$    
 $y =$  

$5x + 4y$

$a =$    
 $b =$  

$3b + 5a$

$p =$    
 $q =$  

$2p + 6q$

• 35

• 36

• 22

• 20



# ALGEBRA



## Practice 2: Answer this Questions

Look at this question, and solve based on the video!



Look at this question, and solve based on the video!

If  $x = 2$   $y = 3$  and  $z = 4$ , determine value of  $3x + 4y + 5z$ !

Answer:

$$x = 2 \quad y = 3 \quad z = 4$$

$$\begin{aligned} & 3x + 4y + 5z \\ &= 3(\dots) + 4(\dots) + 5(\dots) \\ &= \dots + \dots + \dots \\ &= \dots \end{aligned}$$



Look at this question, and solve based on the video!

If  $a = 3$   $b = 5$ , determine value of  $a^2 + 2b - ab$

Answer:

$$a = 3 \quad b = 5$$

$$\begin{aligned} & a^2 + 2b - ab \\ &= (\dots)^2 + 2(\dots) - (\dots)(\dots) \\ &= \dots + \dots - \dots \\ &= \dots \end{aligned}$$



# ALGEBRA



## Conclusion:

1

**Can a variable change?**

*Bisakah sebuah variabel berubah-ubah?*

2

**Mention the algebraic variables that you know!**

*Sebutkan contoh variabel dalam aljabar yang kamu ketahui!*

3

**Can you determine the value of an algebraic form?**

**How do you determine it?**

*Dapatkah kamu menentukan nilai dari bentuk aljabar?*

*Bagaimana cara menentukannya?*



**HOW DO YOU FEEL AFTER STUDY TODAY?**



NERVOUS



PROUD



SCARED



CONFUSED



EXCITED



TIRED



SHY



HAPPY