



C)  $a^2 + b^2 + c^2 + 2ab - 2bc + 2ca$   
 D)  $a^2 - b^2 + c^2 + 2ab + 2bc + 2ca$

A)  $(-2y)^2 - 5x + 12x^2$   
 B)  $2y^2 - 5x + 12x^2$   
 C)  $2y^2 - 5x - 12x^2$   
 D)  $2y^2 + 5x - 12x^2$

18. What is the value of  $1/a^{-5}$ ?

- A)  $(-5a)$   
 B)  $a^{-5}$   
 C)  $a^5$   
 D)  $5a$

19. What is the value of x if  $(x + 2) / 2 = 19$ ?

- A) 35  
 B) 36  
 C) 33  
 D) 38

20. What is the value of x if  $11x + 4 = 37$ ?

- A) 4  
 B) 5  
 C) 2  
 D) 3

21. What is the formula for  $(a-b)^2$ ?

- A)  $a^2 - 2ab + b^2$   
 B)  $(-a)^2 - 2ab - b^2$   
 C)  $a^2 - 2ab - b^2$   
 D)  $a^2 + 2ab + b^2$

22. What is the multiplication value of  $5a^2b \times 8a^5b^3$ ?

- A)  $40a^7b^4$   
 B)  $40a^2b^3$   
 C)  $40a^4b^7$   
 D)  $40a^3b^2$

23. What is the value of x if  $13 + x = 20$ ?

- A) 7  
 B) 9  
 C) 8  
 D) 13

24. What is the value of  $5x^4 / 5x^3$ ?

- A)  $5x^2$   
 B) x  
 C)  $5x^4 / 3$   
 D)  $5x^3$

25. What is the subtracted value of  $3x - 4x^2 + 2y^2$  from  $4y^2 - 2x + 8x^2$ ?

26. What is the value of any number raised to the power of 0?

- A)  $(-1)$   
 B) 1  
 C) 0  
 D) Alpha (?)

27. What is the value of  $a^2 \times a^3 \times a^4$ ?

- A)  $a^8$   
 B)  $a^{10}$   
 C)  $a^7$   
 D)  $a^9$

28. What is the value of  $a^2 + b^2$  if  $a + b = 9$  and  $ab = 20$ ?

- A) 41  
 B) 121  
 C)  $(-121)$   
 D)  $(-41)$

29. What is the value of x, if  $x^*(120) = 960$ ?

- A) 10  
 B) 7  
 C) 8  
 D) 6

30. What is the simplified value of  $(3x + 15) / (5x + 25)$ ?

- A)  $(-5/3)$   
 B)  $(3/5)$   
 C)  $(5/3)$   
 D)  $(-3/5)$

31. What is the value of  $12x^3y^2 / 4x^2y$ ?

- A)  $16xy$   
 B)  $8xy$   
 C)  $3xy$   
 D)  $(-3xy)$

32. What is the expanded form of  $(a+b)^2$ ?

- A)  $a^2 + 2ab - b^2$   
 B)  $a^2 + 2ab + b^2$   
 C)  $(-a)^2 - 2ab + b^2$   
 D)  $a^2 - 2ab + b^2$

33. Which is equal to  $(a+b)^2 - (a-b)^2$ ?

- A)  $5ab$   
 B)  $2ab$   
 C)  $3ab$   
 D)  $4ab$