Factorisation Worksheet - 1

1. Common Factor of 13xyz, 26xy ² , 39x ² y is			
a)	13xy	b)	13xyz
c)	13x ² y ² z ²	d)	13xz
2. Factorised form of 21xy – 24x + 34y – 68 is			
a)	(21x + 34y)(y - 2)	b)	(21x + 34)(y - 2)
c)	(21xy + 34y)(-24x - 68)	d)	(21x + 34)(y + 2)
3. The common factor of 4ab and 3cd is			
a)	-1	b)	1
c)	C	d)	12
4. Number of factors of $(x + y)^2$ is			
a)	4	b)	3
c)	1	d)	2
5. The factorised form $4x - 24$ is			
a)	4(x - 6)	b)	24(x-4)
c)	$24 \times 4x$	d)	4(2x-12)
6. The factors of $(a^2 - 36)$ are			
a)	(a – 6)(a – 6)	b)	(a + 6) (a +6)
c)	(a + 6)(a - 6)	d)	(a – 36)(a – 36)
7. Factorised form of 22xy + 10xyz			
a)	20xy(2 + z)	b)	2xy(11 + 5z)
c)	xy(22 + 10z)	d)	5xy(22 + 2z)
8. Factorised form of $16y^2 - 24y + 9$			
a)	(2y - 3)(2y - 3)	b)	(4y -3)(4y + 3)
c)	$4y^2 - 3^2$	d)	(4y - 3)(4y - 3)
9. Common factor of mn ² + pn is			
10. The common factor method of factorisation for a polynomial is based on property.			
11. The factorisation of 2x + 4y is			

12. The factors of a^2 + 2ab + b^2 are (a – b) and (a – b). Write True / False.

13. Common factor of $12a^2b^2 + 3ab^2 - 18$ is 3. Write True / False.

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- 14. Find the greatest common factor of $4x^2y$, $24xy^2$, 12xy.
- 15. Factorise $mp^3 np^2 + qp$.
- 16. Factorise ly + mx + my + lx.
- 17. Factorise l²+ 8mn 2nl 4lm
- 18. Factorised $1 16b^2$
- 19. Factorised $(m n)^2 (m 3n)^2$
- 20. Factorised $1 (x + y)^2$