GCF & LCM of Monomials

1. Look at the two monomials below.

$$9xy \qquad 15x^2y^4$$

What is the least common multiple (LCM) of the monomials shown above?

Write your response here:
(show your work)

2. $\qquad\qquad\qquad 14x^3y^2 \qquad 10x^2y \qquad 2x^4y^2$

What is the greatest common factor (GCF) of the monomials shown above?

Write your response here:
(show your work)

3. $\qquad\qquad\qquad 7xy^3 \qquad 14xy^4 \qquad 7x^2y^5$

What is the greatest common factor (GCF) of the monomials shown above?

Write your response here:
(show your work)

4. Look at the two monomials below.

$$9u^3vw \qquad 5u^2v^3w^3$$

What is the least common multiple (LCM) of the monomials shown above?

Write your response here:
(show your work)

5. $\qquad\qquad\qquad 42x^3y^4 \qquad 66x^3y$

What is the greatest common factor (GCF) of the monomials shown above?

Write your response here:
(show your work)

6. $65x^2y^2$ $10x^4y$ $5x^3y^2$

      What is the greatest common factor (GCF) of the monomials shown above?

Write your response here:
(show your work)

7. $6x^4y^3z^3$ $66x^3y^3$

      What is the greatest common factor (GCF) of the monomials shown above?

Write your response here:
(show your work)

8. $18xy^4z^3$ $30x^4y^4$

      What is the greatest common factor (GCF) of the monomials shown above?

Write your response here:
(show your work)

9. $7x^4y^3$ $35xy^2$ $7x^5y^3$

      What is the greatest common factor (GCF) of the monomials shown above?

Write your response here:
(show your work)

10. Look at the three monomials below.

      $3x^3y^4z^4$ $5x^4y^2z^4$ $5x^3yz^3$

      What is the least common multiple (LCM) of the monomials shown above?

Write your response here:
(show your work)

11. Look at the two monomials below.

$$12x^2y \qquad 20x^2y^4$$

What is the least common multiple (LCM) of the monomials shown above?

Write your response here:
(show your work)

12. $\qquad\qquad\qquad\qquad\qquad$ $14x^2y^2 \qquad 22x^4y$

What is the greatest common factor (GCF) of the monomials shown above?

Write your response here:
(show your work)

13. Look at the two monomials below.

$$3xy \qquad 5x^3y^4$$

What is the least common multiple (LCM) of the monomials shown above?

Write your response here:
(show your work)

14. Look at the two monomials below.

$$9x^2y^4 \qquad 5x^2yz^3$$

What is the least common multiple (LCM) of the monomials shown above?

Write your response here:
(show your work)

15. Look at the two monomials below.

$$6x^2y^3 \qquad 10x^2y^2z$$

What is the least common multiple (LCM) of the monomials shown above?

Write your response here:
(show your work)

16. Look at the two monomials below.

$$3x^4y^4z^3 \qquad 5x^2y^3z^4$$

What is the least common multiple (LCM) of the monomials shown above?

Write your response here:
(show your work)

17. $\qquad\qquad\qquad\qquad 28x^4y \qquad 8x^2y^2$

What is the greatest common factor (GCF) of the monomials shown above?

Write your response here:
(show your work)

18. $\qquad\qquad\qquad\qquad 2xy^3z^3 \qquad 10x^2y^2$

What is the greatest common factor (GCF) of the monomials shown above?

Write your response here:
(show your work)

19. Look at the two monomials below.

$$3x^4y^4 \qquad 5xy^4z^4$$

What is the least common multiple (LCM) of the monomials shown above?

Write your response here:
(show your work)

20. $\qquad\qquad\qquad\qquad 21xy^4 \qquad 15x^2y \qquad 3x^2y^2$

What is the greatest common factor (GCF) of the monomials shown above?

Write your response here:
(show your work)