

Name: _____

Factoring GCF 7.1B #3

Questions 1 through 18 refer to the following:

Factor the given polynomial:

1) $18a + 27$

2) $5xy^2 + 15x^3y^4$

3) $9y - 18y^3$

4) $96m^7n^9 + 160m^4n^7$

5) $y^2 + 5y$

6) $ar + a$

7) $20a^5b - 40a^4b^2 + 8a^3b^3$

8) $bx + by - b$

9) $62p^2q^3 - 93p^3q^2$

10) $128x^2y^{10}z - x^2y^{10}$

11) $z^2 - 3z$

12) $cx - cy - cz$

13) $24q - 56$

14) $2t - 2$

15) $pq - rq + 4q$

16) $24x^4yz^2 - 40x^3y^2z^3 + 16x^4y^2z^2$

17) $9x - 9y - 9z$

18) $9a + a^2$

19) What are the factors of the polynomial
 $8y^2 - 4y + 12$?

20) What are the factors of the polynomial $pq - q$?

21) What are the factors of the polynomial
 $5p + 5q - 5r$?