GCF Polynomials

Name:_____ Date:_____

Find the greatest common factor for each pair of polynomial.

1

$4(p - q), 6(p - q)^3$

GCF = _____

2

$8(3q + 3r), 6(2q + 2r)$

GCF = _____

3

$5(x^2 + 3x)^2, 10(x + 3)^2$

GCF = _____

4

$3(x - y)^2, 7(x - y)^2$

GCF = _____

5

$3(u + v)^2, 9(u + v)^3$

GCF = _____

6

$(3a - 9b)^2, (3a - 9b)^2$

GCF = _____

7

$(m + n)^3, (m + n)^3$

GCF = _____

8

$9(m + n), 6(m + n)^3$

GCF = _____

9

$6(a - b)^2, 3(10a - 10b)^2$

GCF = _____

10

$4(2b + 2c)^3, 4(6b + 6c)^3$

GCF = _____

GCF Polynomials

Name:_____ Date:_____

Find the greatest common factor for each pair of polynomial.

1

$4(p - q), 6(p - q)^3$

GCF = $2(p - q)$

2

$8(3q + 3r), 6(2q + 2r)$

GCF = $12(r + q)$

3

$5(x^2 + 3x)^2, 10(x + 3)^2$

GCF = $5(x + 3)^2$

4

$3(x - y)^2, 7(x - y)^2$

GCF = $(y - x)^2$

5

$3(u + v)^2, 9(u + v)^3$

GCF = $3(u + v)^2$

6

$(3a - 9b)^2, (3a - 9b)^2$

GCF = $9(3b - a)^2$

7

$(m + n)^3, (m + n)^3$

GCF = $(n + m)^3$

8

$9(m + n), 6(m + n)^3$

GCF = $3(n + m)$

9

$6(a - b)^2, 3(10a - 10b)^2$

GCF = $6(b - a)^2$

10

$4(2b + 2c)^3, 4(6b + 6c)^3$

GCF = $32(c + b)^3$