GCF Polynomials

Name:_____ Date:_____

Find the greatest common factor for each pair of polynomial.

1. $(3pq - 3r)^2$, $3(5pq - 5r)^3$

   GCF = _____

2. $15 - 5x$, $5(3 - x)^2$

   GCF = _____

3. $4(x^5 + y)^3$, $2(x^5 + y)^3$

   GCF = _____

4. $x^2(3x + 1)$, $-3(3x + 1)$

   GCF = _____

5. $14(x - 5)$, $3x(x - 5)$

   GCF = _____

6. $(x + y)^3$, $(x + y)^2$

   GCF = _____

7. $(x - 4)$, $y(x - 4)$

   GCF = _____

8. $7x(x - 3)$, $-4(3 - x)$

   GCF = _____

9. $x(7x + 5)$, $(7x + 5)$

   GCF = _____

10. $x^3(y + 4)$, $y(y + 4)$

    GCF = _____

GCF Polynomials

Name:_____ Date:_____

Find the greatest common factor for each pair of polynomial.

1

$(3pq - 3r)^2$, $3(5pq - 5r)^3$

GCF = $3(r - pq)^2$

2

$15 - 5x$, $5(3 - x)^2$

GCF = $5(-x + 3)$

3

$4(x^5 + y)^3$, $2(x^5 + y)^3$

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

4

$x^2(3x + 1)$, $-3(3x + 1)$

GCF = $(3x + 1)$

5

$14(x - 5)$, $3x(x - 5)$

GCF = $(x - 5)$

6

$(x + y)^3$, $(x + y)^2$

GCF = $(y + x)^2$

7

$(x - 4)$, $y(x - 4)$

GCF = $(x - 4)$

8

$7x(x - 3)$, $-4(3 - x)$

GCF = $(x - 3)$

9

$x(7x + 5)$, $(7x + 5)$

GCF = $(7x + 5)$

10

$x^3(y + 4)$, $y(y + 4)$

GCF = $(y + 4)$