GCF Polynomials

Find the greatest common factor for each pair of polynomial.

1

$(3x^4 - 9x^3), 30(7x^2 - 2x)$

GCF = _____

2

$(3t^4 + 9t^3), (5t^5 + 15t^4)$

GCF = _____

3

$(-9y^3 - 9y^2), (-7y^3 - 7y^2)$

GCF = _____

4

$(7d^5 + 6d^4), (5d^5 - 6d^4)$

GCF = _____

5

$(-15n^4 - 10n^3), (6n^3 - 16n^4)$

GCF = _____

6

$(8d^2 - 16d^3), (2d^3 + 22d^4)$

GCF = _____

7

$(-2w^2 + 18w), (2w^5 + 4w^4)$

GCF = _____

8

$(3y^3 + 6y^2), (-8y^2 + 9y)$

GCF = _____

9

$18(-8c^4 + 3c^3), 26(-9c^2 - 3c)$

GCF = _____

10

$(6w^4 + 6w^3), (9w^3 - w^2)$

GCF = _____

GCF Polynomials

Name:_____ Date:_____

Find the greatest common factor for each pair of polynomial.

1

$(3x^4 - 9x^3)$, $30(7x^2 - 2x)$

GCF = _____ $3x$ _____

2

$(3t^4 + 9t^3)$, $(5t^5 + 15t^4)$

GCF = _____ $t^3(t + 3)$ _____

3

$(-9y^3 - 9y^2)$, $(-7y^3 - 7y^2)$

GCF = _____ $y^2(-y - 1)$ _____

4

$(7d^5 + 6d^4)$, $(5d^5 - 6d^4)$

GCF = _____ d^4 _____

5

$(-15n^4 - 10n^3)$, $(6n^3 - 16n^4)$

GCF = _____ n^3 _____

6

$(8d^2 - 16d^3)$, $(2d^3 + 22d^4)$

GCF = _____ $2d^2$ _____

7

$(-2w^2 + 18w)$, $(2w^5 + 4w^4)$

GCF = _____ $2w$ _____

8

$(3y^3 + 6y^2)$, $(-8y^2 + 9y)$

GCF = _____ y _____

9

$18(-8c^4 + 3c^3)$, $26(-9c^2 - 3c)$

GCF = _____ $6c$ _____

10

$(6w^4 + 6w^3)$, $(9w^3 - w^2)$

GCF = _____ w^2 _____