

Name : _____

Factoring Binomials

MS1

Factorize each binomial.

1) $12x^2y + 24xy^3$

2) $18m^2n - 15n^2m$

3) $36p^5q^7 + 54p^4q^8$

5) $4u^3v - 20v^2u$

7) $60xy^5z - 80x^2y^4z$

9) $77ab^5c^2 + 33a^2b^4c$

10) $18s^2t^5 - 42st^7$

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Name : _____

Answer key

MS1

Factoring Binomials

Factorize each binomial.

1) $12x^2y + 24xy^3$

$12xy(x + 2y^2)$

2) $18m^2n - 15n^2m$

$3mn(6m - 5n)$

3) $36p^5q^7 + 54p^4q^8$

$18p^2q^4(2p^3q^3 + 3p^2q^4)$

5) $4u^3v - 20v^4$

$4v(u^3 - 5v^3)$

7) $60xy^5z - 80x^2y^4z$

$20xy^4z(3y - 4x)$

9) $77ab^5c^2 + 33a^2b^4c$

$11ab^4c(7bc + 3a)$

10) $18s^2t^5 - 42st^7$

$6st^5(3s - 7t^2)$

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