

Name: _____

Date: _____

Multiplying Monomials

Multiply.

[1] $(9yx^4).(8x^4z^2)$

[2] $(11x^4z^2).(3xy^2z^3)^2$

[3] $(5y^3z)^2.(4p^3qy^4)$

[4] $(8rs).(4pqr).(3qr^2s)$

[5] $(10xy).(-3x^2y^3)$

[6] $(8x^3p^4t^7).(-10zt^4x^2)$

[7] $(-8k^4).(7k^8).(5k^2x)$

[8] $(x^2y^2z).(4x^2y^3z^5)$

[9] $(12mn).(3m^8n^9)$

[10] $(p^5).(-4p^4)$

Name: _____

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Multiplying Monomials

Answers

[1] $(9yx^4).(8x^4z^2)$

$72x^8yz^2$

[2] $(11x^4z^2).(3xy^2z^3)^2$

$99x^6y^4z^8$

[3] $(5y^3z)^2.(4p^3qy^4)$

$100p^3qy^{10}z^2$

[4] $(8rs).(4pqr).(3qr^2s)$

$96pq^2r^4s^2$

[5] $(10xy).(-3x^2y^3)$

$-30x^3y^4$

[6] $(8x^3p^4t^7).(-10zt^4x^2)$

$-80x^5p^4t^{11}z$

[7] $(-8k^4).(7k^8).(5k^2x)$

$-280k^{14}x$

[8] $(x^2y^2z).(4x^2y^3z^5)$

$4x^4y^5z^6$

[9] $(12mn).(3m^8n^9)$

$36m^9n^{10}$

[10] $(p^5).(-4p^4)$

$-4p^9$