Name:

Date:

Multiplying Monomials

Simplify each expression.

1) $12\ y^2\ z^3 \times (-\ y^2\ z)$

2) $3\ p^2\ q^4\ \times\ (-\ 2\ p\ q^3) =$

3) $4\ p\ q^3 \times (-\ 2\ p^4\ q)$

4) $2\ x\ y^2\ z\ \times\ 4\ z^2$

5) $(-\ 2\ p^7)\ \times\ (-\ 3\ p^2) =$

6) $4\ u^9\ \times\ (-\ 2\ u^3) =$

7) $2\ x^4\ y\ z^3\ \times\ 3\ x^2\ y^4\ z^2 =$

8) $4\ u^5\ v^2\ \times\ (-\ 8\ u^3\ v^2) =$

9) $8\ s^4\ t^2 \times s\ t^5$

10) $4\ u^3 \times (-\ 2\ u)$

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1) $12\ y^2\ z^3 \times (-\ y^2\ z)$

$-\ 12\ y^4\ z^4$

2) $3\ p^2\ q^4\ \times\ (-\ 2\ p\ q^3) =$

$-\ 6\ p^3\ q^7$

3) $4\ p\ q^3 \times (-\ 2\ p^4\ q)$

$-\ 8\ p^5\ q^4$

4) $2\ x\ y^2\ z\ \times\ 4\ z^2$

$8\ x\ y^2 z^3$

5) $(-\ 2\ p^7)\ \times\ (-\ 3\ p^2) =$

$6\ p^9$

6) $4\ u^9\ \times\ (-\ 2\ u^3) =$

$-\ 8\ u^{12}$

7) $2\ x^4\ y\ z^3\ \times\ 3\ x^2\ y^4\ z^2 =$

$6\ x^6\ y^5\ z^5$

8) $4\ u^5\ v^2\ \times\ (-\ 8\ u^3\ v^2) =$

$-\ 32\ u^8\ v^4$

9) $8\ s^4\ t^2 \times s\ t^5$

$8\ s^5\ t^7$

10) $4\ u^3 \times (-\ 2\ u)$

$-\ 8\ u^4$