

Name : _____

Multiplying Monomials

Multi-variable: S3

Multiply the following.

1) $8u^4 \times -2v^2$

2) $-\frac{1}{2}pq^3r \times -\frac{1}{3}r \times -\frac{9}{4}q$

3) $-18 \times \frac{5}{6}x^2$

5) $\frac{7}{4}c^4d \times \frac{2}{7}$

7) $-\frac{3}{5}v^2w^7x$

9) $\frac{1}{6}ab \times 9a \times \frac{2}{3}c$

10) $-\frac{5}{8}m^3n \times 88mn^3$

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$4h^5$

$\times 2tu^5$

Name : _____

Answer key

Multiplying Monomials

Multi-variable: S3

Multiply the following.

1) $8u^4 \times -2v^2$

$-16u^4v^2$

2) $-\frac{1}{2}pq^3r \times -\frac{1}{3}r \times -\frac{9}{4}q$

$-\frac{3}{8}pq^4r^2$

3) $-18 \times \frac{5}{6}x^2y^3z$

$-75x^2y^3z$

5) $\frac{7}{4}c^4d \times \frac{2}{7}c^5d^7$

$\frac{1}{2}c^5d^7$

7) $-\frac{3}{5}v^2w^7x^2 \times 2tu^5$

$\frac{3}{5}v^9w^9x^2$

$-6t^5u^{10}$

9) $\frac{1}{6}ab \times 9a \times \frac{2}{3}c$

a^2bc

10) $-\frac{5}{8}m^3n \times 88mn^3$

$-55m^4n^4$

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