

Name : _____

Multiplying Monomials

Single-variable: S3

Multiply the following.

1) $-5k^3 \times -6k^3$

2) $\frac{1}{7}u^5 \times -7u^7$

3) $3x^7 \times \frac{3}{4}$

$d \times -\frac{5}{8}d^6$

5) $\frac{7}{2}p^2 \times -\frac{4}{7}$

7) $-\frac{5}{6}s^5 \times -s$

$/^6$

9) $-\frac{2}{9}a^4 \times \frac{8}{9}a \times \frac{9}{4}a$

10) $\frac{1}{2}w^2 \times \frac{4}{11}w^3 \times 11w^5$

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Name : _____

Answer key

Single-variable: S3

Multiplying Monomials

Multiply the following.

1) $-5k^3 \times -6k^3$

$30k^6$

2) $\frac{1}{7}u^5 \times -7u^7$

$-u^{12}$

3) $3x^7 \times \frac{3}{4}$

$\frac{9}{4}x^7$

5) $\frac{7}{2}p^2 \times -\frac{4}{7}$

$-2p^3$

7) $-\frac{5}{6}s^5 \times -s$

$\frac{5}{3}s^{15}$

9) $-\frac{2}{9}a^4 \times \frac{8}{9}a \times \frac{9}{4}a$

$-\frac{4}{9}a^6$

10) $\frac{1}{2}w^2 \times \frac{4}{11}w^3 \times 11w^5$

$2w^{10}$

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