

Name : _____

Multiplying Monomials & Binomials

Single-variable: S3

Multiply the following.

1) $-5q^2(-4q^7 + 6q^2)$

2) $\frac{1}{8}u^6(56u^5 + 64u^4)$

3) $-\frac{7}{5}x^3\left(\frac{5}{7}x^5 - \right)$

5) $4a^5\left(-\frac{9}{4}a^5 + \right)$

7) $-6(5d^3 + 7d^2)$

8) $-8z^4(-6z - 3z^3)$

PREVIEW

Gain complete access to the largest
collection of worksheets in all subjects!

Members, please
log in to
download this
worksheet.

Not a member?
Please sign up to
gain complete
access.

www.mathworksheets4kids.com

Name : _____

Answer key

Multiplying Monomials & Binomials

Single-variable: S3

Multiply the following.

1) $-5q^2(-4q^7 + 6q^2)$

2) $\frac{1}{8}u^6(56u^5 + 64u^4)$

$20q^9 - 30q^4$

$7u^{11} + 8u^{10}$

3) $-\frac{7}{5}x^3\left(\frac{5}{7}x^5 - \right)$

PREVIEW

Gain complete access to the largest collection of worksheets in all subjects!

$-x^8 + \frac{2}{3}x^3$

5) $4a^5\left(-\frac{9}{4}a^5 + \right)$

Members, please log in to download this worksheet.

Not a member? Please sign up to gain complete access.

$3a^{11} - 9a^{10}$

www.mathworksheets4kids.com

7) $-6(5d^3 + 7d^2)$

8) $-8z^4(-6z - 3z^3)$

$-30d^3 - 42d^2$

$24z^7 + 48z^5$