

Name : \_\_\_\_\_

## Multiplying Monomials & Binomials

Multi-variable: S3

Multiply the following.

1)  $11p^2q^4r(-9 + 5pr^7)$

2)  $-2w^3(15u^5v + 20v^5wx)$

3)  $\frac{4}{5}\left(\frac{15}{16}x^6y + \dots\right)$

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5)  $-13g^6h^3(-2g \dots)$

$\dots + 8st^4)$

7)  $-6s^3t^4(s^3t^4 - 10s^4t^3)$

8)  $4n^5(-3m^2n - 1)$

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## Answer key

Multi-variable: S3

### Multiplying Monomials & Binomials

Multiply the following.

1)  $11p^2q^4r(-9 + 5pr^7)$

2)  $-2w^3(15u^5v + 20v^5wx)$

$55p^3q^4r^8 - 99p^2q^4r$

$-40v^5w^4x - 30u^5vw^3$

3)  $\frac{4}{5}\left(\frac{15}{16}x^6y + \dots\right)$

# PREVIEW

$\dots^3 + 8st^4)$

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$\frac{3}{4}x^6y + \frac{2}{3}xy$

$t^4$

5)  $-13g^6h^3(-2g$

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$-\frac{3}{4}a^7c)$

$26g^{12}h^3 + 1$

$4ab^9c^7$

7)  $-6s^3t^4(s^3t^4 - 10s^4t^3)$

8)  $4n^5(-3m^2n - 1)$

$-6s^6t^8 + 60s^7t^7$

$-12m^2n^6 - 4n^5$