

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

## Multiplying Binomials

Single-variable: S2

Multiply the following.

1)  $(-4x^6 + 2x^5)(-3x^4 - 6x^5)$

2)  $\left(\frac{6}{5}t^2 + t\right)\left(-15 + \frac{7}{2}t^5\right)$

3)  $(c^2 - 9)(7c^3 +$

# PREVIEW

$5)(-q - 2q^4)$

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5)  $(4a + 13a^4)(-$

$7k)$

7)  $(-8 - 4g^2)(-10g^2 + 6)$

8)  $(-6u^4 + u^3)(2u^2 + 12u^5)$

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## Answer key

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Multiply the following.

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2)  $\left(\frac{6}{5}t^2 + t\right)\left(-15 + \frac{7}{2}t^5\right)$

$24x^{11} - 6x^9$

$\frac{21}{5}t^7 + \frac{7}{2}t^6 - 18t^2 - 15t$

3)  $(c^2 - 9)(7c^3 +$

# PREVIEW

$5)(-q - 2q^4)$

$7c^5 - 52c^3 -$

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$7 + 15q^4$

5)  $(4a + 13a^4)(-$

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$7k)$

$-65a^9 - 39a$

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$9k^2$

7)  $(-8 - 4g^2)(-10g^2 + 6)$

8)  $(-6u^4 + u^3)(2u^2 + 12u^5)$

$40g^4 + 56g^2 - 48$

$-72u^9 + 12u^8 - 12u^6 + 2u^5$