

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

## Multiplying Monomials & Binomials

Multi-variable: S2

Multiply the following.

1)  $-4(-10bc - 7c^4)$

2)  $-\frac{1}{3}r(-12q^7r + 6rs^6)$

3)  $-12v^5\left(\frac{2}{3}w - 3x^2z^5\right)$

5)  $p^2qr^6(-32qr^2 + 5v^4w)$

7)  $\frac{5}{7}mn^4\left(-\frac{7}{5}n + \frac{7}{2}m^3\right)$

8)  $6g^2h^3(8 - 9gh^2)$

# PREVIEW

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**Multiplying Monomials & Binomials**

Multiply the following.

1)  $-4(-10bc - 7c^4)$

2)  $-\frac{1}{3}r(-12q^7r + 6rs^6)$

$28c^4 + 40bc$

$4q^7r^2 - 2r^2s^6$

3)  $-12v^5\left(\frac{2}{3}w - \right.$

**PREVIEW**

$3x^2z^5)$

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$-8v^5w + 2v^5$

$lx^3yz^6$

5)  $p^2qr^6(-32qr^2$

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$+ 5v^4w)$

$-17p^7qr^7 - :$

$0u^4v^5w$

7)  $\frac{5}{7}mn^4\left(-\frac{7}{5}n + \frac{7}{2}m^3\right)$

8)  $6g^2h^3(8 - 9gh^2)$

$\frac{5}{2}m^4n^4 - mn^5$

$-54g^3h^5 + 48g^2h^3$