



Name : Class :

Multiplying monomials and binomials

Multiply the following monomials and binomials and name the results

1) $-3a(4a - 1)$ ----- -----

2) $(c^3 + 3) \times 4c$ ----- -----

3) $(5x^3 - 5) \times 8x^2$ ----- -----

4) $(x^2 + 4) \times (-2x^3)$ ----- -----

5) $(6y)(-1 - y^1)$ ----- -----

6) $(-7x^4 + 2) \times 1x^1$ ----- -----

7) $-8m^2(3m^2 - 3)$ ----- -----

8) $10b^3 \times (b^2 + 4) \times -2b^2$ ----- -----

ANSWER SHEET

Multiply the following monomials and binomials and name the results

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|--|------------------|-------------------------|
| 1) $-3a(4a-1)$ | $-12a^2 + 3a$ | Quadratic binomial |
| 2) $(c^3+3) \times 4c$ | $4c^4 + 12c$ | Quartic binomial |
| 3) $(5x^3-5) \times 8x^2$ | $40x^5 - 40x^2$ | Quintic binomial |
| 4) $(x^2+4) \times (-2x^3)$ | $-2x^5 - 8x^3$ | Quintic binomial |
| 5) $(6y)(-1-y^1)$ | $-6y^2 - 6y$ | Quadratic binomial |
| 6) $(-7x^4+2) \times 1x^1$ | $-7x^5 + 2x$ | Quintic binomial |
| 7) $-8m^2(3m^2-3)$ | $-24m^4 + 24m^2$ | Quartic binomial |
| 8) $10b^3 \times (b^2+4) \times -2b^2$ | $-20b^7 - 80b^5$ | Seventh degree binomial |