

Warmup:

1. $(5x^2)(3x^4)$

2. $(-3y^3)(-6y^7)$

3. $(-9t^2)(4t^8)$

4. $(10s^4)(-7s^6)$

5. $12 - 5(-2p - 3)$

6. $(3a + -6) + (8c + -12)$

7. $-(8m + 11)$

I. Multiplying Monomials and Binomials

Monomial: A polynomial with _____ term(s).

Examples of monomials include: _____

Binomial: A polynomial with _____ term(s).

Examples of binomials include: _____

$$6t^2(2t^6 + 3t^7)$$

To multiply a monomial by a binomial:
Multiply the monomial by **each**
term of the binomial

Multiply the coefficients

Add the exponents.

$$7y^3(4y^5 + 2y^4)$$

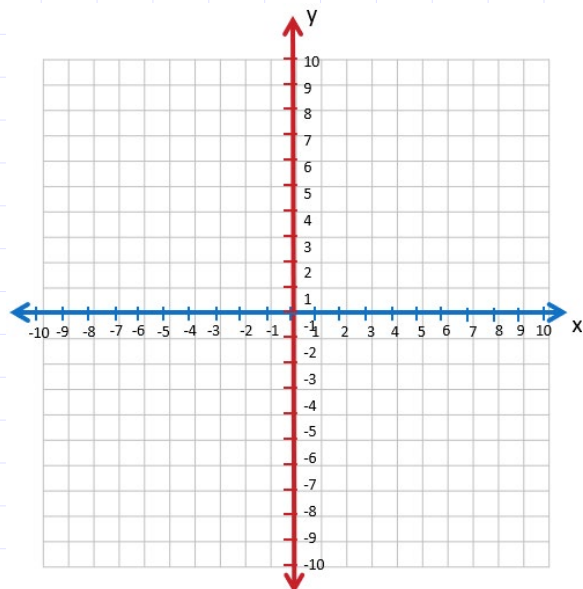
$$-3y(8y^2 + 7y^3)$$

8. $6c^5(4c^2 + 7c^7)$

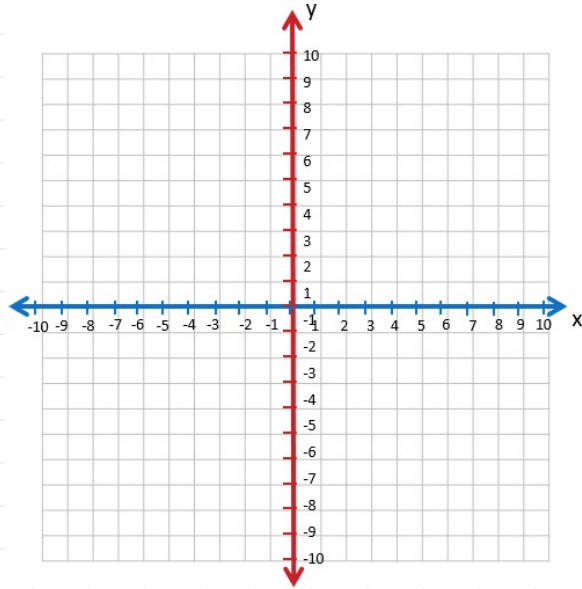
9. $5r(10r^2 + 3r^7)$

IV. Practice

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