Dividing Polynomials by Monomials

WS #2

Divide the following.

1. $(x^4y - 2x^3y - x^3y^3z + x^4y^2z) \div x^2y$ = _____

2. $(15a^3b + 3a^2b - 6a^2b^3 - 12a^2bc^2) \div 3a^2b$ = _____

3. $(xy^3z - 4y^2z + 6xyz - y^3z + yz) \div (-yz)$ = _____

4. $(x^3y - 2xy + xy^2 + x^4yz - 8xy^3) \div xy$ = _____

5. $(6ab^4c - 3a^3bc^2 + 2a^3bc - 4ab^3c) \div abc$ = _____

6. $(-2p^2qr^2 - 2pq^2r^3 - 3pq^4r^2 + 5pqr^2) \div pqr^2$ = _____

7. $(-r^3s^4t + 2r^2s^3t + 2s^3t^2 + rs^4t^3) \div s^2t$ = _____

8. $(10xy^3z - 2y^3z + 4y^2z^3 + 6xy^3z^2) \div 2y^2z$ = _____

9. $(4xyz + 12xyz^2 - 6xy^2 + 12x^3yz) \div 2xy$ = _____

10. $(4u^4vw + 8uv + 10uv^2w - 8uvw) \div 2uv$ = _____