10 Problems in Dividing a Polynomial by a Monomial
(Part 1)

PROBLEMS

Perform the indicated division, using long division.

1. $\dfrac{6a^3b - 9ab^4}{3ab}$.

2. $\dfrac{8a^4c - 12a^2c^5}{4ac}$.

3. $\dfrac{9ab^5 - 15ab^3c^2}{3ab^3}$.

4. $\dfrac{6a^5c^2-12a^8c}{3a^4c}$.

5. $\dfrac{abc-5a^2b^3c^4}{abc}$.

6. $\dfrac{4a^{2n}-8a^{3n}}{2a^n}$.