

Unit 5: Polynomials Day 6

Math 9 Principles

5-5 I can write and simplify the quotient of a polynomial and a monomial as separate terms.

Divide. Write as separate quotients first, then reduce:

1) $\frac{3a-12}{3}$	2) $\frac{24y-16}{8}$
3) $\frac{30k^2+15k}{15}$	4) $\frac{(-8c+24d+72)}{8}$
5) $\frac{-18y^3+6y^2-24y}{-6}$	6) $\frac{n^2+n}{n}$
7) $\frac{cx-cy}{c}$	8) $\frac{(2uw+3w^2)}{w}$
9) $\frac{-ay^3-by^2}{-y^2}$	10) $\frac{48m^2-60m}{12m}$

11) $\frac{8x^6+12x^4}{4x^3}$

12) $\frac{5ac+7a^2c-a^3c}{ac}$

13) $\frac{-4a^2+12ab}{-4a}$

14) $\frac{5x^2-x}{x^2}$

15) $\frac{-ab^2-b}{-b^3}$

16) $\frac{2p-pr^2}{-pr}$

17) $\frac{25x^2+5x^6}{-5x^6}$

18) $\frac{18a^4+6a^6}{-3a^2}$

19) $\frac{x^2y+xy^2-xy^3}{xy}$

20) $\frac{8x^2y+24x^2y^2}{8xy}$