

Practice - Polynomials 3

Divide each of the following.

1. $\frac{18x^6}{9x^2}$

2. $\frac{20a^7}{5a^5}$

3. $\frac{35m^3n^2}{7mn^2}$

4. $\frac{42x^5y^2}{6x^3y}$

5. $\frac{3a + 6}{3}$

6. $\frac{4x - 8}{4}$

7. $\frac{9b^2 - 12}{3}$

8. $\frac{10m^2 + 5m}{5}$

9. $\frac{16a^3 - 24a^2}{4a}$

10. $\frac{9x^3 + 12x^2}{3x}$

11. $\frac{12m^2 + 6m}{-3m}$

12. $\frac{20b^3 - 25b^2}{-5b}$

Challenge Yourself!!!

13.
$$\frac{18a^4 + 12a^3 - 6a^2}{6a}$$

14.
$$\frac{21x^5 - 28x^4 + 14x^3}{7x}$$

15.
$$\frac{20x^4y^2 - 15x^2y^3 + 10x^3y}{5x^2y}$$

16.
$$\frac{16m^3n^3 + 24m^2n^2 - 40mn^3}{8mn^2}$$

Review of Dividing Polynomials :



Outcomes:

PR5 - Demonstrate an understanding of polynomials
PR7 - Multiplying and dividing polynomials