

1.  $5x - 7x$

2.  $x^2 + 5x - 4x^2 + 7x$

3.  $3x(2 - 9x)$

4.  $(2x + 7) - (2 - x)$

5.  $3x(2 - 3x + 4x^5)$

6.  $(3x^2 - x - 7) - (5x^2 - 3x + 2)$

7.  $\frac{8x^5}{2x^3}$

8.  $\frac{2}{3}x - \frac{x}{2}$

9.  $\frac{3x}{2} - \frac{x}{7}$

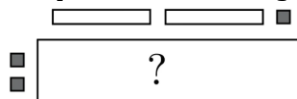
10.  $\frac{2t}{5} - 3t$

11.  $(12t^2 - 8t^3) \div 4t^2$

12.  $\frac{9ab^4 - 6a^3b^2}{3ab^2}$

13.  $-\frac{25p^2q - 15p^3q^3}{15pq}$

14. Complete the following algebra tile diagram:



15. The polynomial  $h(t) = 7t^4 + 4t^2 - t + 10$

- How many terms are in this polynomial?

- What is the coefficient of the  $t^2$  term?

- Find the degree of this polynomial

- Find the constant term

16. Enrichment: Find the degree of the following polynomial:

$$P(x) = 2x^3y^2z + 8xy^2z$$