



# Polynomial Worksheet 4

1. Write the coefficient of  $x^2$  in  $34x^2 - 3x + 1$

2. Write the coefficient of  $x^3$  in  $x + 3x^2 - 5x^3 + x^4$

3. Write the coefficient of  $x$  in  $\sqrt{5} - 2\sqrt{3}x + 6x^2$

4. Write the coefficient of  $x^2$  in  $2x - 3 + x^3$

5. Write the coefficient of  $x$  in  $\frac{3}{8}x^2 - \frac{2}{7}x + \frac{1}{6}$

6. Write the coefficient of  $x^0$  in  $\frac{\pi}{6}x^2 + 7x - \frac{2}{5}\pi$

7. Write the coefficient of  $x^2$  in  $(x - 1)(3x - 4)$

8. Write the coefficient of  $x^3$  in  $(2x - 5)(2x^2 - 3x + 1)$

9. Write the coefficient of  $x^2$  in  $5x - 8$

10. Write the coefficient of  $x^4$  in  $(8x^2 - 3)(7x - 3x^2)$