

1. State the degree of each term.

- (a) $3x^2$
- (b) $-5p^3$
- (c) $8x^2y^3$
- (d) $\frac{3}{2}a^4b^2$
- (e) $-12pq^2r^4$
- (f) -24.7

2. State the degree of each polynomial.

- (a) $3x^2 - 5x$
- (b) $4x - 5x^3 + 8x^2$
- (c) $3x^2y^2 - 2xy + 8y^2$
- (d) $4p^3 - 7p + 3p^2 + 2p^4$
- (e) $9x^2y^3z + xy^3z^2 - 4x^3yz$

3. Simplify each polynomial.

- (a) $2x + 3 + 5x - 7$
- (b) $5x + 4 - 3x - 6 - x + 8$
- (c) $3x^2 - 9 + 5x + 3 - 5x^2 + 4x$
- (d) $2x^2y + 3xy^2 - 7x^2y + 3x^2y - 5xy^2 - 12xy$
- (e) $12pq - 8pq^2 - 13p^2q - 14pq + 20p^2q$