

1. Circle all terms that are like terms for $3x^2$

$3x$ $-5y^2$ $2x^2$ 3 $1/x^2$

2. Is $\frac{1}{x^2}$ a polynomial? Yes / No

3. What is the degree of each polynomial below?

a) $2x$ _____

b) $x^3 - 100x + 5$ _____

c) $x^2 - 7$ _____

4. Simplify.

a) $2 + x + 5 - 2x$

b) $x^3 - 2x + 3 + 4x^3 - 5$

c) $(x^2 - 2) + (2x^2 - 8)$

d) $(x - y) + (5x + 4)$

e) $(x - 2xy) - (5x - xy + 7)$

f) $(5 - x^2) - (x + 2) - (x^2 + 7x)$