Put in standard form then classify by degree and number of terms.

1.
$$(x^3+3x^2+x+2)(3x-1)$$

standard form $3x^4 + 8x^3 + 5x - 2$ degree(words) quartic number of terms(words) polynomial of four terms

Find the zeroes. State the multiplicity.

2.
$$y = 3x^4 - 3x^2$$
 $x = 0$ (multiplicity of 2) or $x = -1$ or $x = 1$

Simplify

$$3.\sqrt[3]{\frac{7}{4}} \sqrt[3]{\frac{4}{2}} \sqrt[4]{\frac{3}{4}} \sqrt[4]{\frac{3}{2}} \sqrt[4]{\frac{3}{2}$$

5.
$$\sqrt[3]{32} + \sqrt[3]{108}$$
 $\sqrt[3]{4} + \sqrt[3]{4}$
 $\sqrt[3]{4} + \sqrt[3]{4}$
 $\sqrt[3]{4} + \sqrt[3]{4}$
 $\sqrt[3]{4} + \sqrt[3]{4}$
 $\sqrt[3]{4} + \sqrt[3]{4}$