Insert Object Assignment 2 : Microsoft Word

Instructions: Use Microsoft Word's "insert object…Microsoft Equation" command to insert the following:
Make up the following grade 10 math Pre-Calculus Assignment. Due: 3 classes

1. Convert the following to exponential form (X^a)

   a) $\sqrt{6}$

   b) $\sqrt{2^3}$

   c) $\sqrt[3]{x^4}$

   d) $\sqrt{9x^5}$

2. Convert the following to radical form:

   a) $5^{1/2}$

   b) $x^{2/5}$

   c) $\frac{1}{y^2}$

   d) $\frac{4}{x^{-3/4}}$

3. Evaluate the following: (or simplify)

   a) $\frac{x^{[\ ]}}{x^{1/2}} = x^2$ Find [ ]

   b) If $\frac{\left(x^{2n}\right)^5 \bullet x^4}{x^{1/2}}$ when simplified is x^{23}, what is the value of n?

   c) $\frac{\sqrt{16\sqrt[3]{x^2}}}{\sqrt[3]{64x^4}}$

   d) $\sqrt[3]{\sqrt{3x^5}}$

e) $\dfrac{\left(y^{1/2}\right)^3}{\left(4y^4\right)^{1/2}}$

f) $\sqrt[5]{x^3} \bullet \sqrt[3]{x^2}$

4. Simplify

a) $\sqrt{12}+2\sqrt{8}-3\sqrt{75}+\sqrt{2}$

b) $\left(\sqrt{10}\right)\left(\sqrt{5}\right)$

c) $\left(\sqrt{5}-\sqrt{3}\right)^2$

d) $\left(\sqrt{6}-2\sqrt{3}\right)\left(\sqrt{6}+2\sqrt{3}\right)$

Place the following graph here.

- 5 X 5 size
- Arrows
- x,y axis
- origin