LESSON 4-4 WORKSHEET

nth roots

1)

$\pm\sqrt{36x^{10}}$ $= \pm\sqrt{36}\ \sqrt{(x\ \ )}$

$= \pm\ \ \ x$

2) $\sqrt[3]{-216x^3y^{12}} = \sqrt[3]{-216}\ \ \sqrt[3]{(\ xy\ \ \ )^3}$

$= \ \ \ \ xy$

3) $\sqrt{-9x^4y^6} = \sqrt{-1}\ \sqrt{9}\ \sqrt{(x\ \ y\ \ )^2}$

$= \pm\ \ \ \ \ x\ \ y$