$\sqrt{x^4} = x^2$

$\sqrt[3]{y^{15}} = y^5$

$\sqrt[5]{w^{20}} = w^4$

$\sqrt[4]{x^{16}} = x^4$

$x^0 \cdot x^0 = x^4$

$y^0 \cdot y^0 \cdot y^0 = y^{15}$

$w^0 \cdot w^0 \cdot w^0 \cdot w^0 \cdot w^0 = w^{20}$

$\pm\sqrt{25x^8}$

$\pm\sqrt{25}\sqrt{x^8}$

$\pm 5x^4$

$\sqrt[5]{32x^{15}y^{35}}$

$\sqrt[5]{32}\sqrt[5]{x^{15}}\sqrt[5]{y^{35}}$

$2x^3y^7$

$\sqrt{-9}$

not a real number

$\sqrt[3]{(y+7)^{12}}$

$(y+7)^4$

$\sqrt{(-5)^2} = |-5| = 5$

$\sqrt{(-2)^6} = |(-2)^3| = |-8| = 8$

$\sqrt{x^2} = |x|$

$\sqrt[8]{x^8} = |x|$

$\sqrt[4]{625x^8y^{20}z^{24}}$

$\sqrt[4]{625}\ \sqrt[4]{x^8}\ \sqrt[4]{y^{20}}\ \sqrt[4]{z^{24}}$

$5x^2|y^5|z^6$

p. 405-406

13-47 odd, 51, 56-57, 73, 76-77

Quiz Friday

Sections 7.1 - 7.4