Radical & Exponents Quiz Practice Problems

1. $\sqrt{x^{8}y^{13}}$ 2. $\sqrt{20}\sqrt{45}$

3. $\frac{\sqrt{72}}{\sqrt{75}}$ 4. $(8\sqrt{24})(-\frac{3}{4}\sqrt{8}$

5. $(x^{3}y^{-2}z^{-1})(x^{2}y^{2}z^{4})$ 6. $\frac{2^{-3}x^{3}y^{-6}}{-4^{2}x^{-4}}$

7. $4+2\sqrt{80}-3\sqrt{5}$ 8. $\left(-3+\sqrt{6}\right)\left(4\sqrt{3}+\sqrt{150}\right)$

9. Convert to a radical: $(\frac{16}{x})^{\frac{2}{3}}^{}$ ignore the box, I can’t get rid of it.

10. Convert to an exponent: $\sqrt[4]{16x^{9}}$

more to come