

Math-1003b Homework #11

Reading

- Section 10.1

Problems

1). Simplify:

$$\sqrt[3]{\frac{64x^3y^6}{z^{12}}}$$

2). Simplify:

$$\sqrt[4]{\frac{16x^4y^8}{z^{12}}}$$

3). You are standing 10 feet away from a 25 foot flagpole. How far away are you from the flag at the top of the pole?

4). Find the domain:

a). $f(x) = \sqrt[4]{\frac{x+1}{x-2}}$

b). $f(x) = \sqrt[3]{\frac{x+1}{x-2}}$