

Math 092
Quiz 7.2

1) Write an equivalent statement using radical notation simplify if possible:

$$(25x^4)^{\frac{3}{2}} =$$

2) Write an equivalent statement using exponential notation:

$$\left(\sqrt{3mn}\right)^3 =$$

3) Write an equivalent expression with positive exponents and if possible, simplify.

$$\frac{1}{a^{-\frac{5}{7}}} =$$

4) Use rational exponents to simplify:

$$\left(\sqrt{ab}\right)^6 =$$