

Exponents: Worksheet -4

1. If $x^m \div x^n = x^0$, then _ _ _ _ _
2. If $10^m = 10000$, then $m =$ _ _ _ _ _
3. $2^5 - 5^2 =$ _ _ _ _ _
4. If $3^x = 81$ then $x =$ _ _ _ _ _
5. If $2^x = 4^y$ then _ _ _ _ _
6. If $5^{20} = (25)^x$ then $x =$ _ _ _ _ _
7. $(\sqrt{a})^4 =$ _ _ _ _ _
8. If $3^x = (27)^2$ then $x =$ _ _ _ _ _
9. $(-1)^{500} =$ _ _ _ _ _
10. If $2^{x+1} = 32$ then $x =$ _ _ _ _ _

