$\qquad$
$\qquad$
$\qquad$

## ${ }_{14}^{\text {Modute }}$ Rational Exponents and Radicals Module Quiz: Modified

1. Which is equal to $144^{\frac{1}{2}}$ ?

A 10
B 11
C 12
3. Which expression equals 3 ?

A $16^{\frac{1}{2}}$
B $27^{\frac{1}{3}}$
C $125^{\frac{1}{3}}$
4. What is $81^{\frac{1}{2}}+64^{\frac{1}{3}}$ simplified?

A 13
B 17
C 145
5. What is $x^{\frac{1}{2}} \cdot x^{\frac{3}{2}}$ simplified?

A $\frac{1}{x}$
B $x$
C $x^{2}$
6. Rewrite the expression $\sqrt[3]{11}$ using an exponent.
7. What exponent makes the statement 9 ? $=3$ true?
$\qquad$
8. Simplify $49^{\frac{1}{2}} \times 8^{\frac{1}{3}}$.
$\qquad$

