



**Problem of the Week**  
**Problem C**  
**Exponential Expressions**

We are given two expressions:

$$\text{Expression } A: 72 \times 7^x$$

$$\text{Expression } B: 441 \times 2^y$$

Given that  $x$  and  $y$  are positive integers, find all ordered pairs  $(x, y)$  so that the value of Expression  $A$  is equal to the value of Expression  $B$ .

$$A=B$$