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Midterm ExamMidterm due Feb 14,
2017 15:30 PST

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Problem 4

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Problem 4

10.0 points possible (graded)

Implement a function called `closest_power` that meets the specifications below.

```
def closest_power(base, num):  
    '''  
        base: base of the exponential, integer > 1  
        num: number you want to be closest to, integer > 0  
        Find the integer exponent such that base**exponent is  
        closest to num.  
        Note that the base**exponent may be either greater or  
        smaller than num.  
        In case of a tie, return the smaller value.  
        Returns the exponent.  
    '''  
    # Your code here
```

For example,

- `closest_power(3,12)` returns `2`
- `closest_power(4,12)` returns `2`
- `closest_power(4,1)` returns `0`

Paste your entire function, including the definition, in the box below. Do not leave any debugging print statements.

```
1 # Paste your function here
```

Press ESC then TAB or click outside of the code editor to exit

Unanswered

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