Name: _____

Divisibility Assignment #2

Divide one number by another. If the remainder is 0, then the first number is divisible by the second.

Divisibility Rules

	A number is divisible by,	Examples
2	If it is an even number (ends in 0,2,4,6 or 8)	44 and 820
3	If the sum of the digits is divisible by 3 *For example in the number 75, 7 + 5 = 12* *12 is divisible by 3 so 75 is also divisible by 3*	513 and 45
4	If the last two digits of a the number is divisible by 4	1,312 and 6,028
5	If the last digit is 0 or 5	160 and 2,375
6	If the number is divisible by 2 and 3	534 and 1,332
8	If the last three digits are divisible by 8	47,120 and 9,389
9	If the sum of the digits is divisible by 9	918 and 921
10	If the last digit is a zero	380 and 1,110

Choose yes or no to state whether the following numbers are divisible by the ones in parentheses.

1) 800 (2) _____
2) 1 305 (2) _____
3) 1 001 (3) _____
4) 8 642 (3) _____
5) 73 028 (4) _____
6) 46 435 (5) _____
7) 782 500 (5) _____
8) 39 217 (6) _____
9) 612 (9) _____
10) 90 009 (9) _____
11) 7 327 975 (10) _____
12) 206 514 (10) _____