Name: _____ Date: _____

BLM 6–3

Section 6.1 Extra Practice

1. Write the numbers 2, 3, 4, 5, 6, 8, 9, and 10 beside their divisibility rule.

a) ___ The last digit is 0 or 5.

b) ___ The sum of the digits is divisible by 9.

c) ___ The number formed by the last two digits is divisible by 2 at least twice.

d) ___ The last digit is even (0, 2, 4, 6, or 8).

e) ___ The number is divisible by 2 at least three times.

f) ___ The last digit is 0.

g) ___ The number is divisible by 2 and 3.

h) ___ The sum of the digits is divisible by 3.

2. For the numbers below, list which of the following numbers they are divisible by: 2, 3, 4, 5, 6, 8, 9, 10. **Hint:** The numbers chosen from this list will be factors of the number.

Example: 156 2, 3, 4, 6

a) 28 _____

b) 96 _____

c) 75 _____

d) 225 _____

e) 120 _____

f) 331 _____

3. List the factors of the following numbers.

Example: 16 1, 2, 4, 8, 16

a) 4 _____

b) 10 _____

c) 12 _____

d) 15 _____

e) 18 _____

f) 20 _____

g) 24 _____

h) 36 _____

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(continued)

4. Determine the greatest common factor for each pair of numbers.

Example: Factors of 24: (1), (2), 3, (4), 6, 8, 12, 24

Factors of 32: (1), (2), (4), 8, 16, 32

Greatest common factor: 4

a) Factors of 4: _____

Factors of 12: _____

Greatest Common Factor: _____

b) Factors of 10: _____

Factors of 20: _____

Greatest Common Factor: _____

c) Factors of 12: _____

Factors of 36: _____

Greatest Common Factor: _____

d) Factors of 18: _____

Factors of 24: _____

Greatest Common Factor: _____

e) Factors of 20: _____

Factors of 36: _____

Greatest Common Factor: _____