

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Mathematics**  
**Divisibility Homework**

| Divisibility Rules |  |  |  |
|--------------------|--|--|--|
| <b>2</b>           | The number is even.                                  |  |  |
| <b>3</b>           | The sum of the digits is divisible by 3.             |  |  |
| <b>4</b>           | The last two digits of the number is divisible by 4. |  |  |
| <b>5</b>           | The number ends in 0 or 5.                           |  |  |
| <b>6</b>           | The number is divisible by both 2 and 3.             |  |  |
| <b>9</b>           | The sum of the digits is divisible by 9.             |  |  |
| <b>10</b>          | The number ends in zero.                             |  |  |

(A) Select **ALL** the numbers that are divisible by **BOTH 2 and 5**. (2)

1.          2,780                  6,907                  2,455                  5,500

(B) Select **ALL** the numbers that are divisible by **BOTH 3 and 6**. (2)

2.          3,033                  1,300                  906                  6,480

(C) Answer each item. (5)

3. Write a digit that makes this statement true.

**81,7225**  **is divisible by 5.**

4. Select **ALL** the digits that make this statement true.

**50** \_\_\_\_\_ **is divisible by 3.**

- (a) 2                  (b) 1                  (c) 6                  (d) 7

5. Which digit makes this statement true? Select the answer.

**3 996 4**  **0 is divisible by 4**

- (a) 7                  (b) 2                  (c) 3                  (d) 1

6. Is 372,402 divisible by 9?    YES                  NO

(D) Write **Yes** if the number is divisible by the given number. Write **No** if the number is not divisible by the given number. (11)

| 50    |  |
|-------|--|
| By 2  |  |
| By 3  |  |
| By 5  |  |
| By 10 |  |

| 432  |  |
|------|--|
| By 2 |  |
| By 3 |  |
| By 4 |  |
| By 6 |  |

| 6201 |  |
|------|--|
| By 4 |  |
| By 3 |  |
| By 5 |  |