Math 210 - Dr. Miller - Homework #21R: Rounding Whole Numbers

- 1. Round each numeral below according to the instructions.
 - (a) 952 to the nearest ten
 - (b) 952 to the nearest thousand
 - (c) 47,829 to the nearest ten
 - (d) 47,829 to the nearest ten thousand
 - (e) 47,829 to the nearest hundred
 - (f) 47,829 to the nearest thousand
- 2. Find all numerals that would round in the indicated way.
 - (a) To the nearest ten, they round to 690.
 - (b) To the nearest ten, they round to 1120.
 - (c) To the nearest ten, they round to 3000.
 - (d) To the nearest hundred, they round to 400.
 - (e) To the nearest hundred, they round to 1500.
 - (f) To the nearest hundred, they round DOWN to 600.
 - (g) To the nearest thousand, they round to 5000.
 - (h) To the nearest thousand, they round UP to 8000.
- 3. List THREE numerals that would round in the indicated way.
 - (a) To the nearest hundred, they round to 400.
 - (b) To the nearest hundred, they round to 1500.
 - (c) To the nearest hundred, they round DOWN to 600.
 - (d) To the nearest thousand, they round to 5000.
 - (e) To the nearest thousand, they round UP to 8000.

Math 210 - Dr. Miller - Answers to HW #20R: Rounding Whole Numbers

- 1. (a) 950
 - (b) 1000
 - (c) 47,830
 - (d) 50,000
 - (e) 47,800
 - (f) 48,000
- 2. (a) 685 to 694 (or list them: 685, 686, 687, 688, 689, 690, 691, 692, 693, 694)
 - (b) 1115 to 1124
 - (c) 2995 to 3004
 - (d) 350 to 449
 - (e) 1450 to 1549
 - (f) 600 to 649
 - (g) 4500 to 5499
 - (h) 7500 to 7999
- 3. (a) Various: 350, 351, 352 or 350, 400, 449 or 400, 401, 402, etc.
 - (b) Various: 1450, 1460, 1470 and other options
 - (c) Various: 600, 601, 602
 - (d) Various: 5000, 5100, 5150
 - (e) Various: 7500, 7800, 7900