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**Problem 1.** (6 pts.) Evaluate the following expressions:

(a) \(10 \pmod{3} = 1\)
(b) \(15 \pmod{2} = 1\)
(c) \(27 \pmod{12} = 3\)
(d) \(-5 \pmod{11} = 6\)
(e) \(3 \pmod{8} = 3\)
(f) \(0 \pmod{13} = 0\)

**Problem 2.** (4 pts.) Today is Monday.

(a) What day of the week will it be 20 days from now? **Sunday**

(b) What day of the week will it be 100 days from now? **Wednesday**