Mathematics 101 Worksheet 8.4

Problems

1) Solve
   a) \(|z - 4| = 3\)
   b) \(|z - 4| > 3\)
   c) \(|z - 4| < 3\)

2) Solve the absolute value inequalities. Graph the solution set and write the solution in interval notation.
   a) \(|x + 6| \geq 8\)
   b) \(2|7x - 1| + 4 > 4\)
   c) \(|\frac{x}{2} - 6| < 5\)
   d) \(|4 - 2x| + 8 \geq 8\)
   e) \(|3x - 8| < -1\)