

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) $|3x - 8| < -1$