

Name:

Class/Set:

Quadratic Inequalities

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1: Solve the following inequalities:

a) $x^2 \leq 49$

b) $x^2 \geq 81$

c) $x^2 < 25$

d) $x^2 > 4$

2: Solve the following inequalities:

a) $2x^2 - 5 \leq 195$

b) $4x^2 + 12 < 268$

c) $4x^2 - 8 \geq 136$

d) $2x^2 + 9 > 41$

Answers: Quadratic Inequalities

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1: a) $-7 \leq x \leq 7$ b) $x \leq -9$ or $x \geq 9$ c) $-5 < x < 5$ d) $x < -2$ or $x > 2$

2: a) $-10 \leq x \leq 10$ b) $-8 < x < 8$ c) $x \leq -6$ or $x \geq 6$ d) $x < -4$ or $x > 4$