

New Jersey City University
Intermediate Algebra
Peer-Led Team Learning Workshop 13A
Quadratic Functions and Quadratic Inequalities

Section 8.6

1) Solve and graph:

(A) $6x^2 > 5x - 1$

(B) $x^2 \leq 4$

Section 8.5

2) A baseball is thrown straight upward, and its height is given by $h(t) = -16t^2 + 32t$, where h is measured in feet and t in seconds.

(A) How many seconds does it take for the ball to reach a height of 12 feet?

(B) What is the maximum height of the ball?

(C) How long will it take the ball to reach its maximum height?

(D) How long will it take the ball to hit the ground?