

Name: _____

Period: _____

Date: _____

USE THE QUADRATIC EQUATION TO SOLVE THE 3 DROP ROCK TRANSITIONS BELOW - SEE HOW TO SOLVE ANY EQUATION FIRST

TRANSITION A

Changing A requires a different gravity. How long would it take for the Rock to hit the Ground on the Moon where Gravity = 1.6m/s^2 ? [Show Solution](#) [Reset](#)

TRANSITION B

If we threw the rock rather than just drop the rock, there would be initial velocity and B would not equal 0.
How long would it take for the Rock to hit the ground, if we threw it up 20meters/second ? [Show Solution](#)

TRANSITION C

What if used a different building that was 700 meters tall, then C would = 700. How long would it take for the Rock to hit the ground? [Show Solution](#)