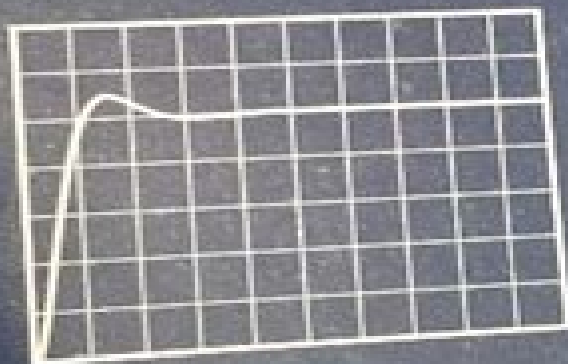


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Fourth Edition



KATSUHIKO OGATA

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web and the quadratic formula tells us that the roots and in this case it s in terms of the variable t are going to be equal to negative b plus or minus the square root of b squared minus 4ac all of that over 2a so if we apply it we get t

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web a major category of quadratic equation word problems relates to what is called projectile motion for our purposes a projectile is any object that is thrown shot or dropped almost always in this context the object is initially moving directly up or straight down

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web 1 jason jumped off a cliff into the ocean in acapulco while vacationing with some friends his height as a function of time could be modeled by the function is the time in seconds and h is the height in feet $h(t) = -16t^2 + 16t + 480$ where t a how long did it take for jason to reach his maximum height b