Unit 5 Review Stations MPM2D

Station	Answer(s)	For administrative use only
Q	$x = -\frac{5}{2}, \frac{1}{2}$	
U	$x \doteq -1.32, 5.32$	
A_1	a) $2(x+4)^2 - 35$ b) convert to vertex form.	
D	a) $x = 1, -6$ b) $x = 0, -\frac{3}{2}$ c) no soln.	
R	a) none; "a" and "k" are the same sign opens up and vertex is above x-axis. b) $b^2-4ac = 5^2-4(3)(-3) = 25+36 = 61$ → $61 > 0$ ∴ 2	
A_2	a) no real roots (words!!) b) 1 root vertex is on the x-axis	
T	a) 27m b) 27.52 m c) 2.7 sec	
I	$P = 76$ cm	
C	a) $y = 0.4(x+3)^2 - 10$ $y = 0.4x^2 + 2.4x - 6.4$ $y = 0.4(x+8)(x-2)$ b) see soln sheet.	