Assignment Previewer	http://www.webassign.net/v4cgikchowdary@evergreen/control.pl	Assignment Previewer	http://www.webassign.net/v4cgikchowdary@evergreen/control.pl
Week 3 Problem Set (5303998) Question 1 2 3 4 5 6 7 8 9 10 11 12		 Question Details A motorcycle is stopped at a traffic light. Whe a distance of 47 m. (a) What was the average acceleration 	OSColPhys1 2.R.022.WA. [2707362]
 Question Details An aircraft, traveling northward, lands on a runway with a speed 720 m of runway. What is the average acceleration (magnitude a direction to be northward. (Indicate the direction with the sign of 2.2.1) m/s² Supporting Materials Physical Constants 	OSCOIPhys1 2.P.023.WA. [2707309] of 65 m/s. Once it touches down, it slows to 5.9 m/s over nd direction) of the plane during landing? Take the positive your answer.)	(b) Assuming the motorcycle maintain (b) Assuming the motorcycle maintain Supporting Materials Physical Constants 5. Question Details A driver in a car, originally moving at 10.6 m	ned a constant acceleration, how far is it from the traffic light after 3.4 s? OSColPhys1 2.P.021.WA. [2707419]
 Question Details A particular airplane will reach liftoff at a speed of 120 km/h. (a) What minimum constant acceleration does the airplant (Enter the magnitude only.) 2.14 m/s² (b) How long does it take the airplane to reach liftoff speed 15.6 s Supporting Materials Physical Constants 	OSColPhys1 2.P.025.WA. [2707268]	 of 35.6 m while braking. How much time did image: 6.72 s Supporting Materials Physical Constants 6. Question Details A driver in a moving car applies the brakes. T interval of 7.05 s. The acceleration while bral (a) What is the car's original speed but 	OSCoIPhys1 2.P.024.WA. [2707302] The car slows to a final speed of 3.45 m/s over a distance of 40.0 m and a time cing is approximately constant. afore braking?
 Question Details A particle undergoes a constant acceleration of 3.80 m/s². After a applicable, indicate the direction with the sign of your answer.) (a) If its initial velocity is 6.6 m/s, what is its displacement (b) What distance does it travel during this time? (c) If its initial velocity is -6.6 m/s, what is its displacement (d) What is the total distance the particle travels during the site of 28.7 m Supporting Materials Physical Constants 	OSColPhys1 2.P.026.WA. [2707246] a certain amount of time, its velocity is 13.2 m/s. (Where at during this time? ent during this time? he interval in part (c)?	(b) What is its acceleration during thi direction with the sign of your answer -0.631 m/s ² Supporting Materials Physical Constants	s time? (The car's initial velocity is in the positive direction. Indicate the r.)
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7 Question Details	()CC/)Dhue1 2 D 021 W/A [2707/11]	9 Question Details	OCColDhue1 3 D 033 WA [3707375]
From the top of a cliff, a person throws a stone straight downward. The initial speed of the stone just after leaving the person's hand is 9.8 m/s. (a) What is the acceleration (magnitude and direction) of the stone while it moves downward, after leaving the		 Question betails A cannon fires a shell straight upward; 2.1 s after it is launched, the shell is moving upward with a speed of 17 m/s. Assuming air resistance is negligible, find the speed (magnitude of velocity) of the shell at launch and 4.6 s after the launch. 	
person's hand? magnitude 9.8 m/s ² direction Select direction downward		(a) at launch 37.6 m/s (b) 4.6 s after the launch	
Is the stone's speed increasing or decreasing?		Supporting Materials	
C decreasing		Physical Constants	
(b) After 0.53 s, how far beneath the top of the cli	iff is the stone? (Give just the distance fallen, that is, a		
magnitude.)		10. Question Details	OSColPhys1 2.P.033.WA. [2707265]
Supporting Materials Physical Constants		You launch a model rocket from ground level. It move seconds, at which point it runs out of fuel. Assuming (above the ground) achieved by the rocket?	is directly upward with a constant acceleration of $81.0~m/s^2$ for 1.50 air resistance on the rocket is negligible, what is the maximum altitude
		Supporting Materials	
B. Question Details	OSColPhys1 2.P.030.WA. [2707339]	Physical Constants	
resistance is negligible. (a) What is the acceleration of the ball while it is n magnitude direction Select <u>@</u> downward	noving upward?	 Question Details You throw a softball straight upward with an initial sp 	OSColPhys1 2.P.037.WA. [2707278] eed of 5.5 m/s. Assume air resistance is negligible.
(b) What is the acceleration of the ball while it is n magnitude 2008 m/s ² directionSelect	noving downward?	(a) How long does it take for the softball to re (b) How long does it take for the softball to re	each its maximum height?
(c) What is the acceleration of the ball while it is a magnitude 9.8 m/s ²	ıt its maximum height?	Supporting Materials	
It is all the second se	s its maximum height?	Physical Constants	
directionSelect	s its maximum neight:		
directionSelect // downward (d) What is the velocity of the ball when it reaches magnitude // // m/s directionSelect // // The magnitu	ide is zero.		
directionSelect 22 downward (d) What is the velocity of the ball when it reaches magnitude 20 m/s directionSelect 22 The magnitud (e) What is the initial velocity of the ball? magnitude 27.35 m/s	ude is zero.	 Question Details Jack drops a stone from rest off of the top of a bridge throws a second stone straight down. Both rocks hit t 	OSColPhys1 2.P.038.Tutorial.WA. [2707291] that is 22.2 m above the ground. After the stone falls 6.4 m, Jill he water at the exact same time. What was the initial velocity of Jill's
directionSelect 2 downward (d) What is the velocity of the ball when it reaches magnitude 2 0 m/s directionSelect 2 The magnitud (e) What is the initial velocity of the ball? magnitude 2 7.35 m/s directionSelect 2 wward (f) What is the maximum height that the ball react	ude is zero.	12. Question Details Jack drops a stone from rest off of the top of a bridge throws a second stone straight down. Both rocks hit t rock? Assume upward is the positive direction and do answer.) Image: Comparison of the top of a bridge Image: Comparison of the top of a bridge Image: Comparison of top of the top of a bridge Image: Comparison of top of top of the top of a bridge Image: Comparison of top	OSCoIPhys1 2.P.038.Tutonal.WA. [2707291] that is 22.2 m above the ground. After the stone falls 6.4 m, Jill he water at the exact same time. What was the initial velocity of Jill's wnward is negative. (Indicate the direction with the sign of your
directionSelect 22 downward (d) What is the velocity of the ball when it reaches magnitude 20 m/s directionSelect 22 The magnitud (e) What is the initial velocity of the ball? magnitude 27.35 m/s directionSelect 22 upward (f) What is the maximum height that the ball react 2.76 m	ide is zero.	 Question Details Jack drops a stone from rest off of the top of a bridge throws a second stone straight down. Both rocks hit t rock? Assume upward is the positive direction and do answer.) 	OSCOIPhys1 2.P.038.Tutorial.WA. [2707291] that is 22.2 m above the ground. After the stone falls 6.4 m, Jill he water at the exact same time. What was the initial velocity of Jill's wnward is negative. (Indicate the direction with the sign of your
directionSelect 22 downward (d) What is the velocity of the ball when it reaches magnitude 20 m/s directionSelect 22 The magnitud (e) What is the initial velocity of the ball? magnitude 27.35 m/s directionSelect 22 upward (f) What is the maximum height that the ball react (f) What is the maximum height that the ball react 2.76 m Supporting Materials Physical Constants	ude is zero.] hes?	12. Question Details Jack drops a stone from rest off of the top of a bridge throws a second stone straight down. Both rocks hit t rock? Assume upward is the positive direction and do answer.) 	OSCOIPHys1 2.P.038.Tutorial.WA. [2707291] that is 22.2 m above the ground. After the stone falls 6.4 m, Jill he water at the exact same time. What was the initial velocity of Jill's wnward is negative. (Indicate the direction with the sign of your