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Answers (12.02 - Mass, Density, Volume in Fluids)

1	3,822 N
2	a) 656.1 kg b) 0.81 m below the water
3	30 kg
4	a) 588,000 N b) 60,000 kg
5	Float, because buoyant force (41.1 N) is greater than gravitational force (39.2 N)
6	122.5 N