

# Math 1303 - Math in the Liberal Arts

Quiz #7 - 2008.02.13

Solutions

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A health club is offering two new membership plans. Plan A costs \$56 per month for unlimited use. Plan B costs \$20 per month plus \$3 for every visit. How many visits to the health club must Doug Jones make per month for Plan A to result in the same cost as Plan B?

If we let  $x$  be the number of visits to the gym. Then we have the equation  $56 = 20 + 3x$ . Solving for  $x$  gives  $x = 12$ .