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Finally I get this ebook, thanks for all these I can get now!

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Cool! I'am really happy

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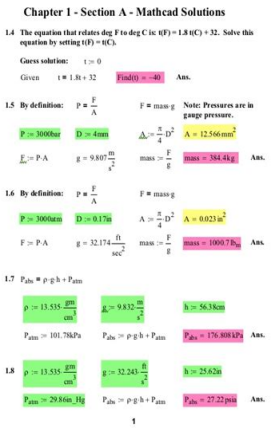
so many fake sites. this is the first one which worked! Many thanks



Chapter 1 - Section A - Mathcad Solutions

1.4 The equation that relates deg F to deg C is: t(F) = 1.8 t(C) + 32. Solve this equation by setting t(F) = t(C).

Guess solution: t := 0

Given t = 1.8 t + 32 Find(t) = −40 Ans.

1.5 By definition: P = F/A F = mass·g Note: Pressures are in gauge pressure.

P := 3000bar D := 4mm A := (π/4)·D² A = 12.566mm²

F := P·A g = 9.807 m/s² mass := F/g mass = 384.4kg Ans.

1.6 By definition: P = F/A F = mass·g

P := 3000atm D := 0.17in A := (π/4)·D² A = 0.023in²

F := P·A g = 32.174 ft/sec² mass := F/g mass = 1000.7lb_m Ans.

1.7 P_abs = ρ·g·h + P_atm

ρ := 13.535 gm/cm³ g := 9.832 m/s² h := 56.38cm

P_atm := 101.7kPa P_abs := ρ·g·h + P_atm P_abs = 176.808kPa Ans.

1.8 ρ := 13.535 gm/cm³ g := 32.243 ft/s² h := 25.62in

P_atm := 29.86in_Hg P_abs := ρ·g·h + P_atm P_abs = 27.22psia Ans.

1

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