Normal distribution problems?

Part 3

HW Brock Irancom 5.3: la, 2be, 7/8a A020512161 5.3

[a) $P(x \ge 8)$ $x \sim B(10, 17)$, 1 - bnom(df(10, 17, -4, 7) = .3828) U = np = 10(.7) = 7 $0 = \sqrt{10(.7)}$ $Mp^{n} = 1 - normodf(-0, 75, 7, \overline{10}(.7).3) \pm .3650$ 24) $P(9 \le x \le n) \times \sim B(21, 5)$, bnomædf(21, 5, -0, 12) Hhinomodf(11.5, -0, 9)

Approx = normodf(-0, 125, 21.5, \sqrt{21(.5).5}) - 8.5

C) $P(x \le 3) \times \sim B(7, 2)$ Exact: binomcdf(7,.2,0,3) €.9632)
Approx: nomcdf(-00,3.5, 7:.2, J7..2:.8) €.9764) 7 P(X = 200) = nomcdf(-4,200-5,250000.0007, 5250000.0007.9993)=.9731) 8a) P(X = 30) = 1- nornal (-0, 30, 60.25, 560.25, 75) 7.000002