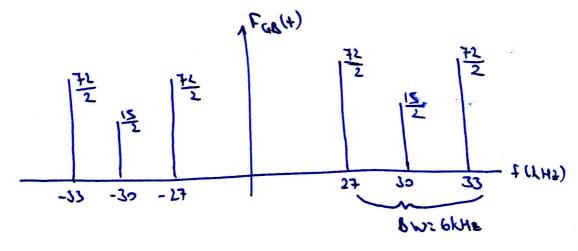
$$f_{GB}(t): Ac [1+mf(t)] const$$

$$= 15 [1+03(126z2\pi 30)^2+)] cos 2\pi 30|0^3+)$$

$$= 15 (0-52\pi 30)0^3+ + (1446s2\pi 30)(6s2\pi 30)0^3+) (6s2\pi 30)0^3+)$$

$$= 15 (0-52\pi 30)0^3+ + (1446s2\pi 30)0^3+ + (1446s2\pi 30)0^3+)(6s2\pi 30)0^3+)($$



(c) 
$$P_{c} = \frac{(A_{c})^{2}}{R} = \frac{(\frac{15}{12})^{2}}{(\frac{72}{12})^{2}} = \frac{2.25 \, \text{m}}{50}$$

$$P_{VB} = \frac{(\frac{72}{12})^{2}}{(\frac{72}{12})^{2}} + \frac{(\frac{72}{12})^{2}}{(\frac{72}{12})^{2}} = \frac{109.68 \, \text{m}}{50}$$