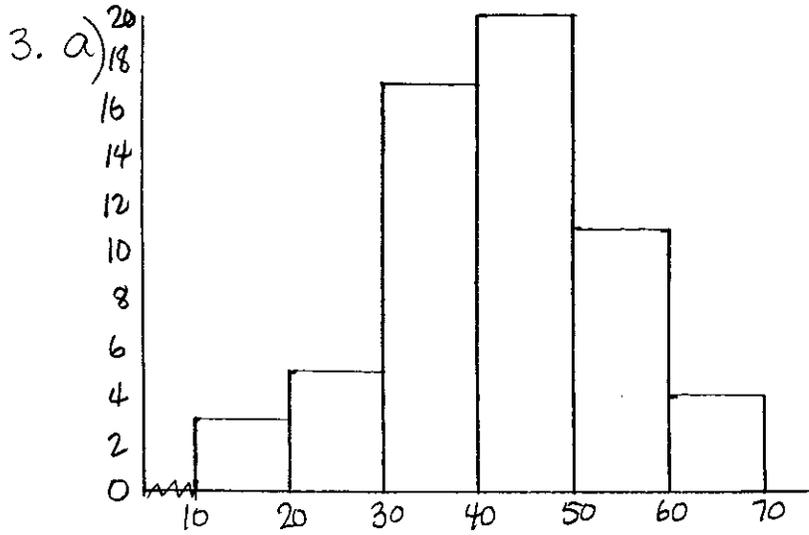
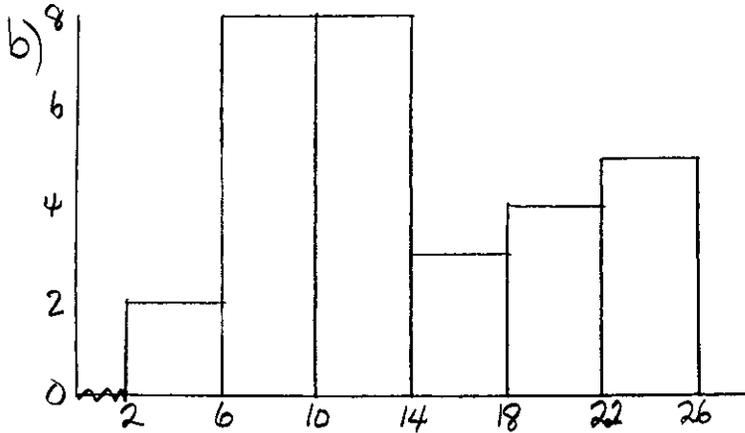


5.4 Foundations of Math II

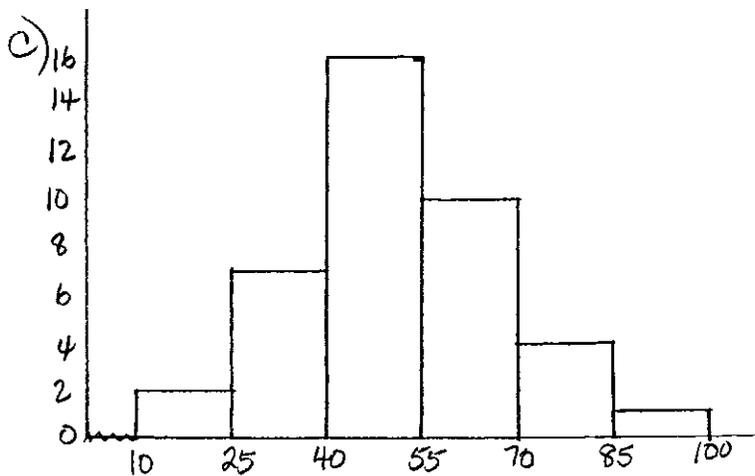
P. 251 # 3, 4, 6, 10



Yes, it is approximately bell-shaped so it is normally distributed.



Not normally distributed because it has two "peaks".



Yes, normally distributed because it is approximately bell-shaped.

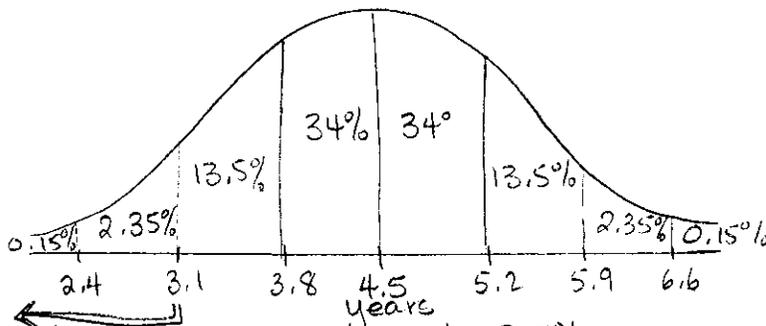
D.251 cont.

4. b) cont

59.5 - 82.0	
82.0 - 104.5	
104.5 - 127.0	
127.0 - 149.5	
149.5 - 172.0	
172.0 - 194.5	

c) No, there will be a sharp spike at 82-104.5 min so it is not bell-shaped

6.



$$4.5 + 0.7 = 5.2$$

$$5.2 + 0.7 = 5.9$$

$$5.9 + 0.7 = 6.6$$

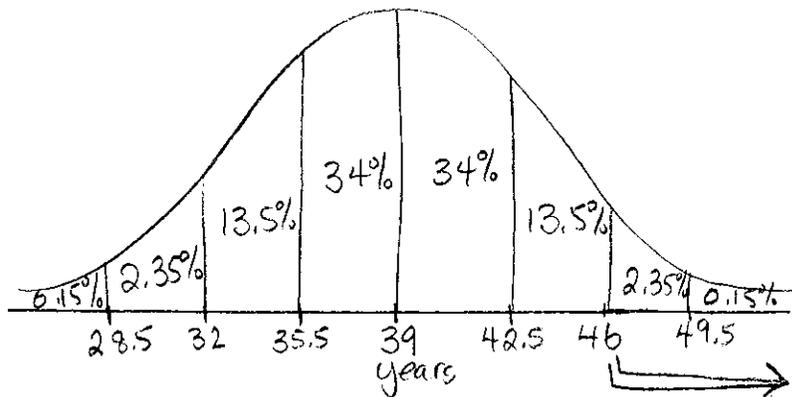
$$4.5 - 0.7 = 3.8$$

$$3.8 - 0.7 = 3.1$$

$$3.1 - 0.7 = 2.4$$

So the warranty should go for no more than 3.1 yrs to repair no more than 2.5% of the coffee makers.

10.



130 dolphins

2.5% are more than 46 years.

$$2.5\% (130) = 0.025 (130) = 3.25$$

3 dolphins