	Name:
Statistics: Review	7 (Test 3)
	s heights are normally distributed with mean 63.8 in and standard deviation 2.6 in. Find the s data; that is, what height separates the bottom 25%, the bottom 50%, and the bottom 75%.
sitting. Adult deviation 1.2 i	ee height of a person is the distance from the bottom of the feet to the top of the knees while males have sitting knee heights which are normally distributed with mean 21.4 in and standard n; adult females have sitting knee heights which are normally distributed with mean 19.6 in deviation 1.1 in.
` / -	dar desk has a clearance of 23.5 in between the floor and the bottom of the desktop. What we of adult men can sit comfortably at this desk? What percentage of adult women?

3. Find the area under the standard normal curve over the following intervals.
(a) $(-0.36, 1.42)$
(b) (22 0.7)
(b) $(-\infty, -0.7)$
(c) $(0.8, \infty)$
4. The head circumferences of adult women are normally distributed with mean 22.65 in and standard deviation 0.80 in.
(a) The Hats by Leko company produces women's hats designed to fit a head circumference between 21 in and 25 in. What percentage of adult women can wear these hats?

(b) Suppose the company decides to redesign its hats so that they will fit all adult women except the top 2.5% and the bottom 2.5% by head circumference. What range of head circumferences should be accommodated?