

IE-341

Second Semester 1445H (Spring-2024) – 3(2,1,2)
“HUMAN FACTORS ENGINEERING”

Friday, May 3rd, 2024 (24/10/1445H)

Exercise Set 4: Font Size

Name:	Student Number: 4	Section: 9 AM
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Answer ALL of the following questions

Consider a person with Snellen acuity of $\frac{20}{70}$ and answer the following questions.

1. At what maximum distance can this person *view* text of size 12 *pt*?
2. Is this person able to comfortably *read* the text described in part a) at nominal close-up reading distance?
3. You are asked to create a static sign for an eye clinic designed to be read at a maximum distance of 50 *ft*. What font size should be utilized to enable this person to comfortably read the sign?
4. The owners of the eye clinic now need to make more signs but are complaining that such signs are costing them too much money due to the excessive amount of ink spent on these huge fonts. They require that you reduce the cost of ink by 75 percent. What should you do?