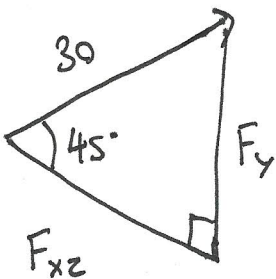
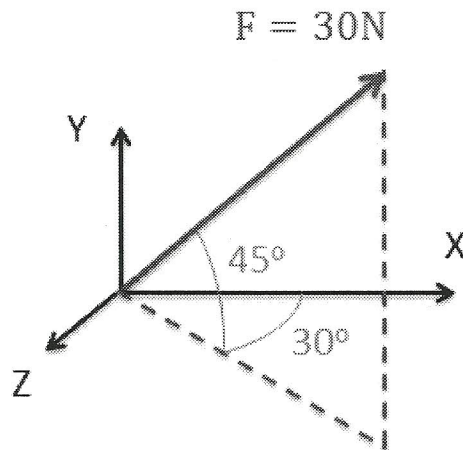


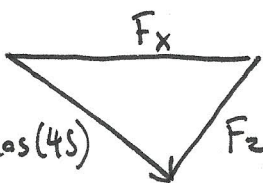
Question 3:

The force shown below is given in magnitude and direction form. Redraw the diagram with the force vector given in component form.



$$F_y = 30 \sin(45) = 21.2 \text{ N}$$

$$F_{xz} = 30 \cos(45) = 21.2 \text{ N}$$



$$F_x = 30 \cos(45) \cos(30) = 18.4 \text{ N}$$

$$F_z = 30 \cos(45) \sin(30) = 10.6 \text{ N}$$

