Assignment B

Paraphrase the Statement:

Paragraph: The statement is that the component of the force on the object at an angle is given by the equation:

\[ F_{\text{comp}} = F \cos(\theta) \]

Diagram: The diagram shows a force vector \( F \) and the component of the force acting along the horizontal direction.

Questions:

1. Find the component of the force on the object at an angle.
   - Answer: 
     \[ F_{\text{comp}} = F \cos(\theta) \]

2. Find the component of the force on the object at a different angle.
   - Answer: 
     \[ F_{\text{comp}} = F \cos(\theta) \]

3. Find the component of the force on the object at an angle in a different scenario.
   - Answer: 
     \[ F_{\text{comp}} = F \cos(\theta) \]

4. Find the component of the force on the object at an angle in another scenario.
   - Answer: 
     \[ F_{\text{comp}} = F \cos(\theta) \]

5. Find the component of the force on the object at an angle in yet another scenario.
   - Answer: 
     \[ F_{\text{comp}} = F \cos(\theta) \]

6. Find the component of the force on the object at an angle in the final scenario.
   - Answer: 
     \[ F_{\text{comp}} = F \cos(\theta) \]

7. Find the component of the force on the object at an angle in the final final scenario.
   - Answer: 
     \[ F_{\text{comp}} = F \cos(\theta) \]