

# 1 Events on Spacetime Diagrams

- (a)
- i. Which pairs of events (if any) are **simultaneous** in the **unprimed frame**?
  - ii. Which pairs of events (if any) are **simultaneous** in the **primed frame**?
  - iii. Which pairs of events (if any) are **colocated** in the **unprimed frame**?
  - iv. Which pairs of events (if any) are **colocated** in the **primed frame**?

Missing /var/www/paradigms\_media\_2/media/activity\_media/events\_1.png

- (b) For each of the figures, answer the following questions:

- i. Which event occurs **first** in the **unprimed frame**?
- ii. Which event occurs **first** in the **primed frame**?

i. Missing /var/www/paradigms\_media\_2/media/activity\_media/events\_5.png

ii. Missing /var/www/paradigms\_media\_2/media/activity\_media/events\_6.png

iii. Missing /var/www/paradigms\_media\_2/media/activity\_media/events\_7.png