

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**?

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- (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