

1 Events on Spacetime Diagrams

- (a) (a) Which pairs of events (if any) are **simultaneous** in the **unprimed frame**?
(b) Which pairs of events (if any) are **simultaneous** in the **primed frame**?
(c) Which pairs of events (if any) are **colocated** in the **unprimed frame**?
(d) 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:
- (a) Which event occurs **first** in the **unprimed frame**?
(b) 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