Statistical Reasoning Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Interpreting Slope Activity Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Day \_\_\_\_

1. The function below shows the cost of a hamburger with a different number of toppings (t):

f(t) = 1.40t + 1.90

* 1. What is the y-intercept and what does it mean?
  2. What is the slope and what does it mean?
  3. If Jodi paid $3.30 for a hamburger, how many toppings were on her burger?

1. The function below shows the cost of an ice cream sundae with a different number of toppings (t).

f(t) = 0.75t + 2.25

* 1. What is the y-intercept and what does it mean?
  2. What is the slope and what does it mean?
  3. If Kaye paid $6.00 for a sundae, how many toppings did she get?

1. The function shows the cost to attend the fair if you ride (r) rides: f(t) = 1.75r + 5
   1. What is the y-intercept and what does it mean?
   2. What is the slope and what does it mean?
   3. If Al spent $19.00 at the fair, then how many rides did he ride?
2. The function below shows the cost for Mrs. Franklin to go out to eat with (c) of her grandchildren:

f(c) = 4.95c + 8.95

* 1. What is the y-intercept and what does it mean?
  2. What is the slope and what does it mean?
  3. If Mrs. Franklin spent $28.75 on the meal, how many of her grandchildren did she take out to eat with her?