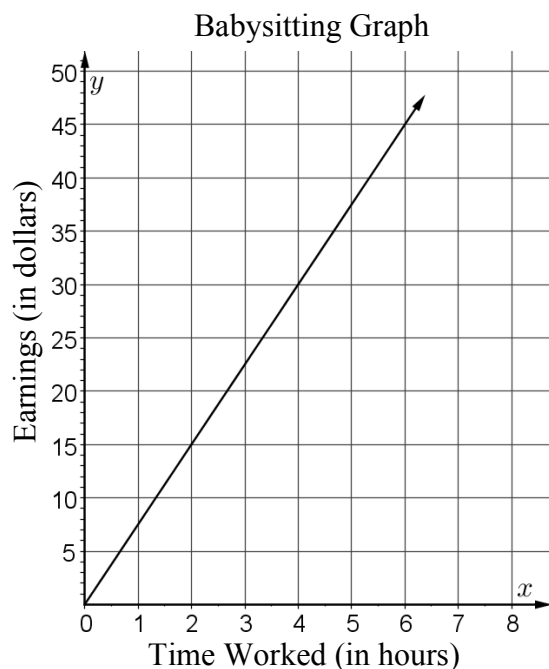


Name \_\_\_\_\_ Date \_\_\_\_\_

The amount Sandy earns from babysitting is proportional to the number of hours she works. The graph represents this proportional relationship.



1. Explain what the point  $(0, 0)$  represents in the context of this problem.
2. Explain what the point  $(6, 45)$  represents in the context of this problem.
3. Find the hourly rate that Sandy charges and write this as an ordered pair.

Name \_\_\_\_\_ Date \_\_\_\_\_

A business in the Florida Keys offers Key West Jet Ski Tours for the following rates:

Tour Prices	
Time (in hours)	Price (in dollars)
$\frac{3}{4}$ hour	\$90.00
$1\frac{1}{2}$ hours	\$130.00
2 hours	\$180.00

Are the two quantities, time and price, proportionally related? Explain.

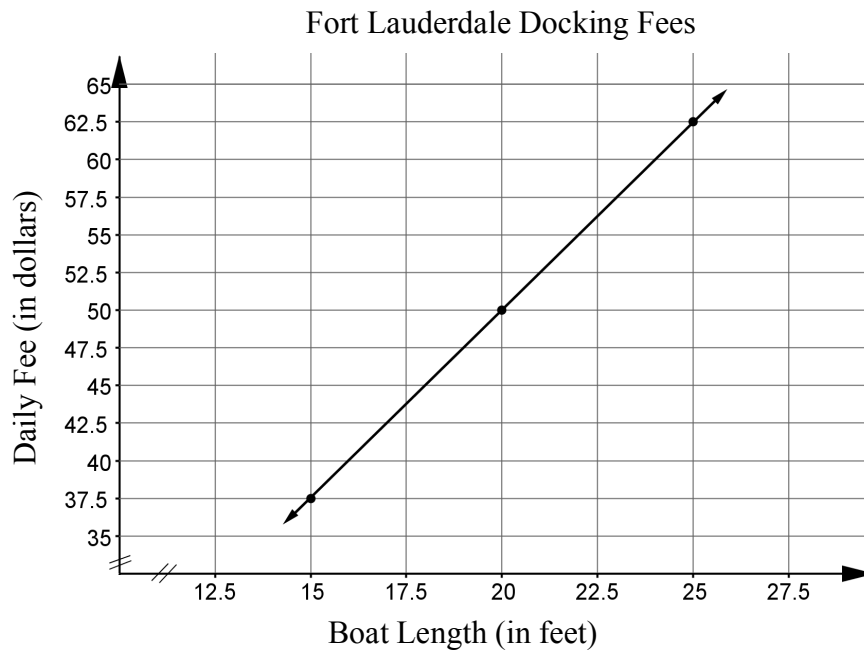
Name \_\_\_\_\_ Date \_\_\_\_\_

1. The daily fee for docking a boat at a marina in Port Canaveral is proportional to the length of the boat. The table displays the fee for four different boat lengths. Find the constant of proportionality and explain what it means in the context of this problem.

Port Canaveral Docking Fees

Boat Length (in feet)	Daily Fee (in dollars)
15 feet	\$33.75
17 feet	\$38.25
20 feet	\$45.00
21 feet	\$47.25

2. The daily fee for docking a boat at a marina in Fort Lauderdale is also proportional to the length of the boat. The graph displays the relationship between the fee and the boat length. Find the constant of proportionality and explain what it means in the context of this problem.



3. At which marina is it less expensive to dock a boat? Explain how you determined your answer.