Practice 7-3

Proportional Relationships

Determine if the relationship is proportional.

1.

x	y
−6	−30
−3	−15
6	30
9	60

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2.

a	b
20	10
40	20
60	30
80	40

_____

3.

g	h
−8	−6
−4	−2
0	0
4	2

_____

4.

Bagels
2 for $3
4 for $6
12 for $18

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5.

Canoe Rentals
1 hr for $6
2 hr for $10
3 hr for $12

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6.

Berries
3 lb for $9
5 lb for $15
10 lb for $30

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7. Swimming Evan pays $12 per month to belong to a gym so that he can swim in the gym's pool. Each time he swims he pays an additional $2. He uses the function $e = 2t + 12$ to track his monthly swimming expenses, where e represents total expenses and t represents number of times Evan swims. Make an input-output table, graph your results, and determine if the function has a proportional relationship. Explain.

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