

Warm-Up! Direct and Partial Variation MFM1P

By now, you should be able to tell the difference between direct and partial variation and also write an equation that it represents.

Try the ones below to see how good your understanding is.

Use variables that are appropriate for the situation given.

1. A family meal deal at Chicken Deluxe costs \$26, plus \$1.50 for every extra piece of chicken added to the bucket.

Direct or Partial? _____

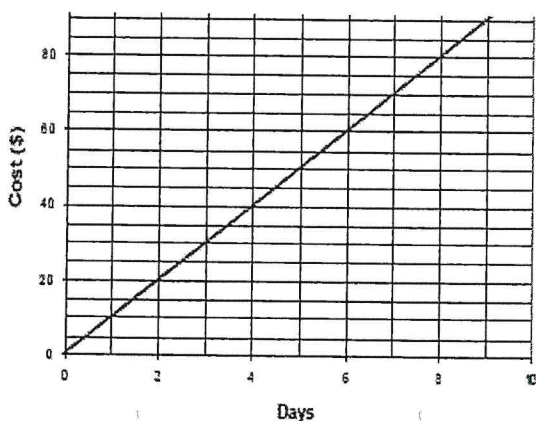
Equation _____

2. Jim works at the local golf course and makes \$9.40 per hour.

Direct or Partial? _____

Equation _____

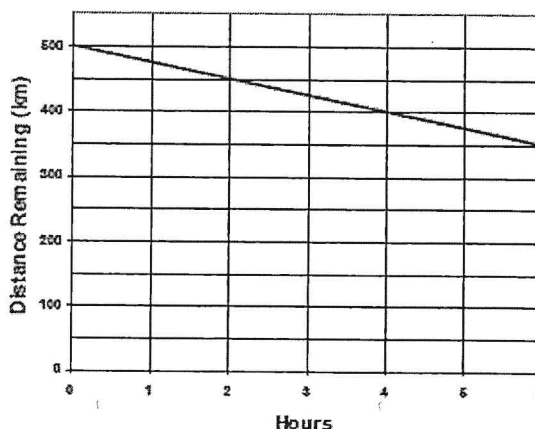
3.



Direct or Partial? _____

Equation _____

4.



Direct or Partial? _____

Equation _____

5.

Number of Submarine Sandwiches	Cost (\$)
0	0
2	11.00
4	22.00
6	33.00
8	44.00

Direct or Partial? _____

Equation _____

6.

Number of People	Cost of Holding an Athletic Banquet
0	75
20	275
40	475
60	675
80	875

Direct or Partial? _____

Equation _____

7. Rent a car for the weekend costs \$50 plus \$0.16/km.

Direct or Partial? _____

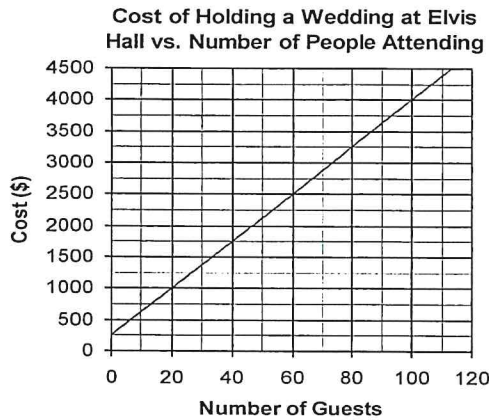
Equation _____

8. A Chinese food restaurant has a special price for groups. Dinner for two costs \$24 plus \$11 for each additional person.

Direct or Partial? _____

Equation _____

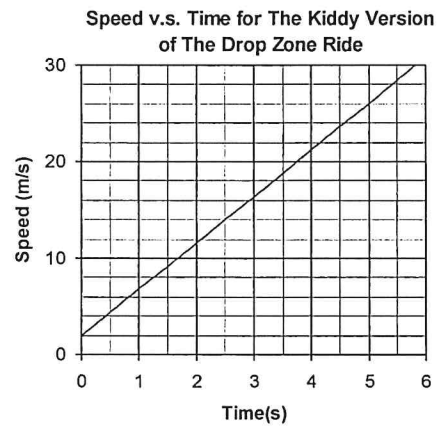
9.



Direct or Partial? _____

Equation _____

10.



Direct or Partial? _____

Equation _____

11.

Distance (km)	Cost of Bus Charter (\$)
0	170
100	210
200	250
300	290
400	330

Direct or Partial? _____

Equation _____

12.

Time Worked (hrs)	Total Pay (\$)
0	0
1	6.70
2	13.40
3	21.10
4	26.80

Direct or Partial? _____

Equation _____

13. Joe has \$800 in his bank account and withdraws \$25 every month.

Direct or Partial? _____

Equation _____

14. Student council charges \$15 for each semi-formal ticket sold.

Direct or Partial? _____

Equation _____