Name Direct Variation Tic-Tac-Toe

Complete textbook Page 257 #30 – 38 evens on the back or on notebook paper.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Does the equation represent a direct variation? If so, find *k* and write the direct variation equation. yes or no *k* = Direct variation equation: | Does the table represent a direct variation? If so, find *k* and write the direct variation equation.

|  |  |
| --- | --- |
| *x* | *y* |
| –2 | 1 |
| –4 | 2 |
|  2 | –1 |
| 4 | –2 |
| 6 | –3 |

yes or no *k* = Direct variation equation: | Competitive race-walkers move at a speed of about 9 miles per hour. Write a direct variation equation for the distance *y* that a race-walker will cover in *x* hours. |
| Does the table represent a direct variation? If so, find *k* and write the direct variation equation.

|  |  |
| --- | --- |
| *x* | *y* |
| 5 | 2 |
| 7 | 3 |
| 11 | 5 |
| 15 | 7 |
| 17 | 9 |

yes or no *k* = Direct variation equation: | Maleka charges $8 per hour for baby-sitting. Write a direct variation for the total amount *y* she earns baby-sitting for *x* hours. | Does the equation represent a direct variation? If so, find *k* and write the direct variation equation. yes or no *k* = Direct variation equation: |
| A group of people are tubing down a river at an average speed of 2 mi/h. Write a direct variation that gives the number of miles *y* that the people will float in *x* hours. | Does the equation represent a direct variation? If so, find *k* and write the direct variation equation. yes or no *k* = Direct variation equation:yes or no *k* = Direct variation equation: | Does the table represent a direct variation? If so, find *k* and write the direct variation equation.

|  |  |
| --- | --- |
| *x* | *y* |
| 3 | 15 |
| 2 | 10 |
| 4 | 20 |
| 5 | 25 |
| –1 | –5 |

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