

- 1** Information about four different linear relationships is given below.

<p>Equation:</p> $K = 2n + 7$	<p>Description:</p> <p>The total cost to print T-shirts is made up of a set-up fee of \$65 and a cost of \$7 per T-shirt.</p>								
<p>Table:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th><i>h</i></th> <th><i>T</i></th> </tr> </thead> <tbody> <tr> <td>0</td> <td>10</td> </tr> <tr> <td>1</td> <td>17</td> </tr> <tr> <td>2</td> <td>24</td> </tr> </tbody> </table>	<i>h</i>	<i>T</i>	0	10	1	17	2	24	<p>Graph:</p>
<i>h</i>	<i>T</i>								
0	10								
1	17								
2	24								

Which two of these linear relationships have a rate of change of 7?

- a “Table” and “Graph”
- b “Table” and “Description”
- c “Equation” and “Graph”
- d “Equation” and “Description”

- 2** What is the value of $-5 - (-3)$?

- a -8
- b -2
- c 2
- d 8

- 3** Jake and Minh buy food for a fundraiser.

- One case of 24 hamburgers costs \$37.
- One case of 12 drinks costs \$9.

How much will the food for 72 meals cost if each meal is made up of 1 hamburger and 1 drink?

- 4** The equation $C = 45 + 3d$ represents the relationship between total cost, C , in dollars, and the number of days, d .

Which of the following is true about this relationship?

- a The total cost is \$48 per day.
- b The total cost is \$45 for 3 days.
- c The total cost is made up of a \$45 fixed fee and \$3 per day.
- d The total cost is made up of a \$3 fixed fee and \$45 per day.