

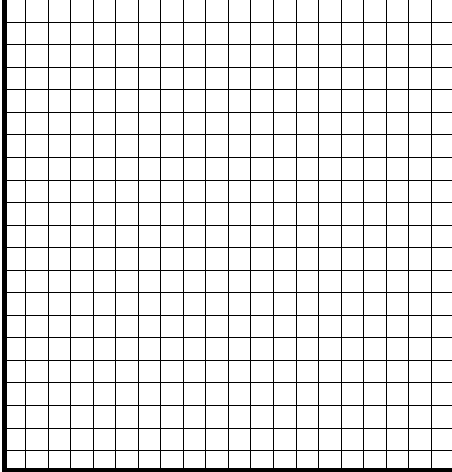
Name: _____

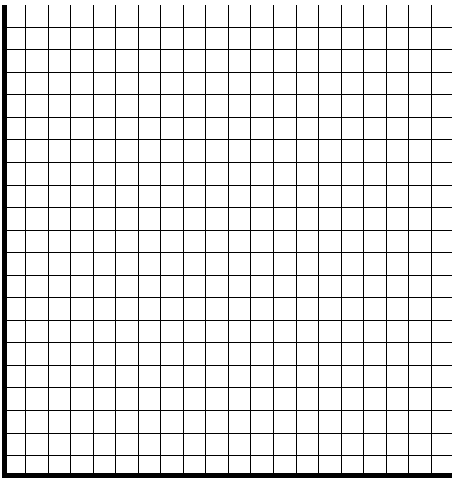
Hour: _____

3 Views Extra Practice

Function Rule ~ Table ~ Graph

Complete.

| <p>Function Rule</p> <p>$C(n) =$</p> | <p>A motel charges \$50 per night for a room. The total cost of a stay at the motel is a function of the number of nights stayed.</p> | | | | | | | | | | | | | | | | |
|---|---|-----|---|--|---|--|---|--|---|--|---|--|---|--|---|--|--|
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%; text-align: center;">n</th> <th style="width: 50%; text-align: center;">C</th> </tr> <tr><td style="text-align: center;">0</td><td></td></tr> <tr><td style="text-align: center;">1</td><td></td></tr> <tr><td style="text-align: center;">2</td><td></td></tr> <tr><td style="text-align: center;">3</td><td></td></tr> <tr><td style="text-align: center;">4</td><td></td></tr> <tr><td style="text-align: center;">5</td><td></td></tr> <tr><td style="text-align: center;">6</td><td></td></tr> </table> | n | C | 0 | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | |  |
| n | C | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%; text-align: center;">n</th> <th style="width: 50%; text-align: center;">C</th> </tr> <tr><td style="text-align: center;">0</td><td></td></tr> <tr><td style="text-align: center;">1</td><td></td></tr> <tr><td style="text-align: center;">2</td><td></td></tr> <tr><td style="text-align: center;">3</td><td></td></tr> <tr><td style="text-align: center;">4</td><td></td></tr> <tr><td style="text-align: center;">5</td><td></td></tr> <tr><td style="text-align: center;">6</td><td></td></tr> </table> | n | C | 0 | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | <p>What is the cost to spend 13 nights in the motel? _____</p> |
| n | C | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |

| <p>Function Rule</p> <p>$F(s) =$</p> | <p>The speed an object falls is 32 feet per second.</p> | | | | | | | | | | | | | | | | |
|---|---|-----|---|--|---|--|---|--|---|--|---|--|---|--|---|--|--|
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%; text-align: center;">s</th> <th style="width: 50%; text-align: center;">F</th> </tr> <tr><td style="text-align: center;">0</td><td></td></tr> <tr><td style="text-align: center;">1</td><td></td></tr> <tr><td style="text-align: center;">2</td><td></td></tr> <tr><td style="text-align: center;">3</td><td></td></tr> <tr><td style="text-align: center;">4</td><td></td></tr> <tr><td style="text-align: center;">5</td><td></td></tr> <tr><td style="text-align: center;">6</td><td></td></tr> </table> | s | F | 0 | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | |  |
| s | F | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
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| 6 | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%; text-align: center;">s</th> <th style="width: 50%; text-align: center;">F</th> </tr> <tr><td style="text-align: center;">0</td><td></td></tr> <tr><td style="text-align: center;">1</td><td></td></tr> <tr><td style="text-align: center;">2</td><td></td></tr> <tr><td style="text-align: center;">3</td><td></td></tr> <tr><td style="text-align: center;">4</td><td></td></tr> <tr><td style="text-align: center;">5</td><td></td></tr> <tr><td style="text-align: center;">6</td><td></td></tr> </table> | s | F | 0 | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | <p>What is the speed when the time is 1.5 seconds? _____</p> |
| s | F | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |

Name: _____

Hour: _____

| <p>Function Rule</p> <p>$T(n) =$</p> | <p>The admission to a fairgrounds is \$3.00 per vehicle plus \$.50 per passenger. The total admission is a function of the number of passengers.</p> | | | | | | | | | | | | | | | | |
|---|--|-----|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%; padding: 5px;">n</th> <th style="width: 50%; padding: 5px;">T</th> </tr> <tr><td style="padding: 5px;">0</td><td style="padding: 5px;"></td></tr> <tr><td style="padding: 5px;">1</td><td style="padding: 5px;"></td></tr> <tr><td style="padding: 5px;">2</td><td style="padding: 5px;"></td></tr> <tr><td style="padding: 5px;">3</td><td style="padding: 5px;"></td></tr> <tr><td style="padding: 5px;">4</td><td style="padding: 5px;"></td></tr> <tr><td style="padding: 5px;">5</td><td style="padding: 5px;"></td></tr> <tr><td style="padding: 5px;">6</td><td style="padding: 5px;"></td></tr> </table> | n | T | 0 | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | <p style="font-size: small; margin-top: 5px;">Rahn © 2010</p> |
| n | T | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| <p>What is the admission for a car with six people in it? _____</p> | | | | | | | | | | | | | | | | | |

| <p>Function Rule</p> <p>$D(g) =$</p> | <p>Suppose a van gets 22 mi/gal. The distance traveled $D(g)$ is a function of the gallons of gas used.</p> | | | | | | | | | | | | | | | | |
|---|--|-----|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%; padding: 5px;">g</th> <th style="width: 50%; padding: 5px;">D</th> </tr> <tr><td style="padding: 5px;">0</td><td style="padding: 5px;"></td></tr> <tr><td style="padding: 5px;">1</td><td style="padding: 5px;"></td></tr> <tr><td style="padding: 5px;">2</td><td style="padding: 5px;"></td></tr> <tr><td style="padding: 5px;">3</td><td style="padding: 5px;"></td></tr> <tr><td style="padding: 5px;">4</td><td style="padding: 5px;"></td></tr> <tr><td style="padding: 5px;">5</td><td style="padding: 5px;"></td></tr> <tr><td style="padding: 5px;">6</td><td style="padding: 5px;"></td></tr> </table> | g | D | 0 | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | <p style="font-size: small; margin-top: 5px;">Rahn © 2010</p> |
| g | D | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| <p>How far did the van travel when it used 10.5 gallons of gas? _____</p> | | | | | | | | | | | | | | | | | |