

Circuit Training
Unit 1 Review

Name: Key

Directions: Begin in cell #1. Show the work necessary to arrive at your answer. Search for your answer in one of the other cells and mark that cell #2, then work out the new problem. Proceed in this manner until you complete the circuit and arrive back at the first box. You do not need a calculator to complete this circuit.

# <u>1 and #10</u> ✓ Find the average rate of change for the function $g(x) = -5 + 3(x - 1)$ on the interval $[-2, 0]$. Slope of linear function = avg. ROC	Answer: 76												
# <u>15</u> The approximate height of a rock, in meters, thrown upwards off a cliff, is $h(t) = -5t^2 + 10t + 100$ where t is time in seconds. What is the maximum height of the rock? $-5(t^2 - 2t - 20)$ $-5((t-1)^2 - 21)$	Answer: 200												
# <u>11</u> A linear function, $y = g(x)$, passes through the points $(-2, 7)$ and $(0, 5)$. Find the average rate of change of the function $y = g(x)$ on the interval $[1, 6]$. $\frac{-2}{2} = -1$ avg. ROC is constant!	Answer: 5												
# <u>2</u> The function f is quadratic. Selected values of f are shown in the table. Find the average rate of change of f on the interval $6 \leq x \leq 8$. <table border="1" style="margin: 10px auto; border-collapse: collapse; text-align: center;"> <tr> <td style="padding: 5px;">x</td> <td style="padding: 5px;">0</td> <td style="padding: 5px;">2</td> <td style="padding: 5px;">4</td> <td style="padding: 5px;">6</td> <td style="padding: 5px;">8</td> </tr> <tr> <td style="padding: 5px;">$f(x)$</td> <td style="padding: 5px;">-3</td> <td style="padding: 5px;">-3</td> <td style="padding: 5px;">5</td> <td style="padding: 5px;">21</td> <td style="padding: 5px;">45</td> </tr> </table> $\frac{45 - 21}{8 - 6} = 12$	x	0	2	4	6	8	$f(x)$	-3	-3	5	21	45	Answer: 3
x	0	2	4	6	8								
$f(x)$	-3	-3	5	21	45								
# <u>7</u> The function f is quadratic. Select values of f are shown in the table. Solve $f(x) = 0$. The solutions are <u>$x = 3$</u> and <u>$x = -1$</u>. To advance in the circuit, find the sum of the solutions: <u>2</u>. <table border="1" style="margin: 10px auto; border-collapse: collapse; text-align: center;"> <tr> <td style="padding: 5px;">x</td> <td style="padding: 5px;">0</td> <td style="padding: 5px;">2</td> <td style="padding: 5px;">4</td> <td style="padding: 5px;">6</td> <td style="padding: 5px;">8</td> </tr> <tr> <td style="padding: 5px;">$f(x)$</td> <td style="padding: 5px;">-3</td> <td style="padding: 5px;">-3</td> <td style="padding: 5px;">5</td> <td style="padding: 5px;">21</td> <td style="padding: 5px;">45</td> </tr> </table>	x	0	2	4	6	8	$f(x)$	-3	-3	5	21	45	Answer: 3.5
x	0	2	4	6	8								
$f(x)$	-3	-3	5	21	45								

Pre Calculus Unit 4 Lesson 2 Key

RC Schank



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web watch the timing of the exercise you will be expected to complete the task within the time constraints given online or computer based in tray exercises are referred to as e tray

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web in tray exercises are commonly used as part of the assessment centre process for a variety of job roles a few of the most common roles that in tray exercises are used for are

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web prepare for in tray exercises all that said in tray exercises rarely have right or wrong answers the main purpose of these exercises is to assess your time management

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web 3 manage your time time management is crucial during an in tray exercise and assessors will be looking to see that you can deal with everything in your in tray without

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web these skills include time management organisation of workload prioritisation and sound decision making management ability delegation taking responsibility decision making

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web jun 21 2023 in tray exercises or the digital e tray equivalent are a test of your ability to deal with a real work scenario multiple requests different demands on your time and

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web aug 25 2022 the purpose of the in tray exercise is to assess the candidate s ability to manage multiple tasks prioritise effectively and make decisions under pressure it also

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