

Evaluate Postfix Expressions Date: _____ Name: _____

USING A STACK, evaluate the following postfix equations. You must show the stack and all values of top to receive credit. Assume all tokens are 1 digit numbers.

<p>3 4 5 + * =</p> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">5</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">4</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">3</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">2</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">1</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">0</div> <p>Top= _____</p>	<p>8 3 - 2 5 + * =</p> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">5</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">4</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">3</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">2</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">1</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">0</div> <p>Top= _____</p>
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<p>9 2 + 7 3 8 - + - =</p> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">5</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">4</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">3</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">2</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">1</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">0</div> <p>Top= _____</p>	<p>3 4 5 * + 7 2 + + =</p> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">5</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">4</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">3</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">2</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">1</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">0</div> <p>Top= _____</p>
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