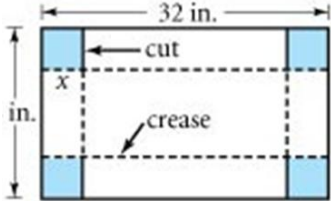
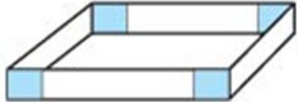


Name \_\_\_\_\_

**Do Nows/Exit Tickets Algebra 2 –Feb 17<sup>th</sup> –Feb 21st**

	<b>Monday - Do Now</b>	<b>Tuesday - Do Now</b>	<b>Wednesday - Do Now</b>	<b>Thursday - Do Now</b>	<b>Friday - Do Now</b>
	<b>OFF</b>	<b>Complete the problems posted on the board</b>	<b>Complete the problems posted on the board</b>	<b>Complete the problems posted on the board</b>	<b>Complete the problems posted on the board</b>

Monday – Exit Ticket	Tuesday – Exit Ticket	Wednesday – Exit Ticket	Thursday – Exit Ticket	Friday – Exit Ticket
OFF	<p><math>V = lwh.</math>  <b>Find the volume of a box with</b>  <b>height = <math>x</math></b>  <b>length = <math>(16-2x)</math></b>  <b>width = <math>(12-2x)</math></b></p>	<p><b>101. MANUFACTURING</b> An open-top box is made from a 14-inch-  32-inch piece of cardboard, shown at right. The volume of the box is represented by  <math>V(x) = x(14 - 2x)(32 - 2x)</math>, where <math>x</math> is the height of the box.</p> <p>a. Write the volume of the box as a polynomial function in standard form.  b. Find the volume of the box if the height is 2 inches.</p>  	<p><b>Describe how the factor theorem can be used to determine whether <math>x + 1</math> is a factor of <math>x^3 - 2x^2 - 8x - 5</math></b></p>	<p><b>Explain how to use the remainder theorem to evaluate <math>P(5)</math> if <math>P</math> is a polynomial function.</b></p>