

1-2A - Segments with Quadratics

“I WILL ...

...use the properties of quadratics to solve segments.”

<p>Review: B is between A and C. $AB = 3x - 4$, $BC = 2x - 1$, and $AC = 5x$. Solve for x.</p>	<p>Ex 1: A is between C and T. $CA = 3x - 4$, $AT = 2x - 1$, and $CT = 5x$. Find the value of x.</p>
<p>Ex 2: $DG = x^2$, $DO = 4x + 9$, and $OG = 5x - 29$. O is between D and G. Find the value of x.</p>	<p>Ex 3: $WG = 20$, $WA = x + 4y$, and $AG = 2x + 3y$. A is between W and G. Find the value of x and y.</p>

<p>Your Turn: E is in the midpoint of TX. $TX = 2x^2$, $TE = 4x - 7$, and $EX = -3x + 13$. Find the value of x.</p>	<p>Ex 4: H is between L and N. $LH = 4x^2 + 2x - 4$, $HN = 4x^2 + x + 6$, and $LN = 7x^2$. Find the value of x.</p>
<p>Ex 5: I is between B and G. $BI = 4x^2 - 2x + 1$, $IG = 2x^2 - 4x + 1$, and $BG = 4x^2 - x$. Find the value of x.</p>	<p>Ex 6: O is between H and U. $HO = 3x^2 - 9x - 8$, $OU = 2x^2 - 5x - 1$, and $HU = 2x^2 - 3x - 15$. Find the value of x.</p>
<p>Your Turn: S is between A and K. $AS = 4x^2 - 12x + 4$, $SK = 5x^2 - 8x + 5$, and $AK = 4x^2 + 13x - 9$. Find the value of x.</p>	