









Introduction to Polynomials - Modelling with Algebra Tiles Worksheet

Note: Shaded tiles are negative; Unshaded tiles are positive.

1) Write a polynomial that describes what the algebra tiles are modelling.

<p>a) </p> <hr style="border: 0; border-top: 1px solid black; margin-top: 20px;"/>	<p>b) </p> <hr style="border: 0; border-top: 1px solid black; margin-top: 20px;"/>
<p>c) </p> <hr style="border: 0; border-top: 1px solid black; margin-top: 20px;"/>	<p>d) </p> <hr style="border: 0; border-top: 1px solid black; margin-top: 20px;"/>
<p>e) </p> <hr style="border: 0; border-top: 1px solid black; margin-top: 20px;"/>	<p>f) </p> <hr style="border: 0; border-top: 1px solid black; margin-top: 20px;"/>
<p>g) </p> <hr style="border: 0; border-top: 1px solid black; margin-top: 20px;"/>	<p>h) </p> <hr style="border: 0; border-top: 1px solid black; margin-top: 20px;"/>

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2) Sketch the algebra tiles that would be required to model the following polynomials

i) $3x + 4$	j) $5x - 2$
k) $4 - 2x$	l) $-3x - 4$
m) $x^2 + 4x - 3$	n) $2x^2 - 3x + 5$
o) $-x^2 - x + 2$	p) $-3x^2 + 4x - 8$