



Algebraic Functions - Factor the Quadratic Equation

<p>1 Which answer is the same expression as this</p> $z^2 - 16$	<p>A $(z + 8)(z - 8)(z + 4)(z - 4)$</p> <p>B $(z + 4)(z - 4)$</p> <p>C $(16z - 4)(z + 4)(z - 4)(z - 4)$</p> <p>D $(z - 4)(z - 4)$</p> <p>E $(z - 8)(z + 8)(z + 4)(z + 4)$</p> <p>F $(z + 4)(z + 4)$</p>	<p>2 Which answer is the same expression as this</p> $x^2 - 36$	<p>A $(36x - 6)(x + 6)(x + 6)(x - 6)$</p> <p>B $(x + 6)(x - 6)$</p> <p>C $(x - 12)(x + 12)(x + 12)(x - 12)$</p> <p>D $(x + 12)(x - 12)$</p> <p>E $(x + 6)(x + 6)(x - 6)(x - 6)$</p> <p>F $(x - 6)(x - 6)$</p>
<p>3 Which answer is the same expression as this</p> $x^2 - 9$	<p>A $(9x - 3)(x + 3)(x - 6)(x + 6)$</p> <p>B $(x - 6)(x + 6)$</p> <p>C $(x + 6)(x - 6)(x + 3)(x - 3)$</p> <p>D $(x + 3)(x - 3)$</p> <p>E $(x - 3)(x - 3)(x + 3)(x + 3)$</p> <p>F $(x + 3)(x + 3)$</p>	<p>4 Which answer is the same expression as this</p> $n^2 - 8n + 15$ <p>A $(n + 3)(n + 5)$</p> <p>B $(n - 3)(n - 5)$</p> <p>C $(2n - 3)(n + 5)$</p> <p>D $(15n - 3)(n + 5)$</p> <p>E $(n + 3)(n - 5)$</p> <p>F $(n - 3)(15n + 5)$</p>	
<p>5 Which answer is the same expression as this</p> $b^2 - 9$	<p>A $(b - 6)(b + 6)(b + 3)(b - 3)$</p> <p>B $(b + 3)(b - 3)$</p> <p>C $(b + 6)(b - 6)(b + 3)(b + 3)$</p> <p>D $(b + 3)(b + 3)$</p> <p>E $(b - 3)(b - 3)(9b - 3)(b + 3)$</p> <p>F $(9b - 3)(b + 3)$</p>	<p>6 Which answer is the same expression as this</p> $z^2 - 36$	<p>A $(z + 12)(z - 12)(z - 12)(z + 12)$</p> <p>B $(z - 12)(z + 12)$</p> <p>C $(z + 6)(z - 6)(z - 6)(z - 6)$</p> <p>D $(z - 6)(z - 6)$</p> <p>E $(z + 6)(z + 6)(36z - 6)(z + 6)$</p> <p>F $(36z - 6)(z + 6)$</p>
<p>7 Which answer is the same expression as this</p> $m^2 + 1m - 42$ <p>A $(1m - 7)(m + 6)$</p> <p>B $(m + 7)(m - 6)$</p> <p>C $(42m - 7)(m + 6)$</p> <p>D $(m + 7)(m + 6)$</p> <p>E $(m - 7)(m + 6)$</p> <p>F $(m - 7)(m - 6)$</p>		<p>8 Which answer is the same expression as this</p> $z^2 - 3z - 54$ <p>A $(54z - 6)(z + 9)$</p> <p>B $(z + 6)(z + 9)$</p> <p>C $(z + 6)(z - 9)$</p> <p>D $(3z - 6)(z + 9)$</p> <p>E $(z - 6)(z + 9)$</p> <p>F $(z - 6)(z - 9)$</p>	