



Algebraic Functions - Factor the Quadratic Equation

1 Which answer is the same expression as this $n^2 - 81$	A $(18n - 9)(n + 9)$ B $(n + 7)(n - 9)$ C $(n - 9)(n + 9)$ D $(n - 18)(n + 18)$ E $(n + 9)(n - 9)$	2 Which answer is the same expression as this $m^2 - 16$	A $(m + 8)(m - 8)$ B $(8m - 4)(m + 4)$ C $(m + 4)(m - 4)$ D $(m - 8)(m + 8)$ E $(m + 5)(m - 7)$
3 Which answer is the same expression as this $r^2 - 36$	A $(r - 6)(r + 6)$ B $(r + 8)(r - 6)$ C $(r + 6)(r - 6)$ D $(r + 12)(r - 12)$ E $(36r - 6)(r + 6)$	4 Which answer is the same expression as this $w^2 - 2w - 15$ A $(2w + 5)(w - 3)$ C $(15w - 5)(w + 3)$ E $(w + 5)(2w - 3)$	B $(w - 5)(w + 3)$ D $(w + 5)(w - 3)$
5 Which answer is the same expression as this $n^2 - 1n - 72$ A $(n - 8)(72n + 9)$ C $(n + 8)(n - 9)$ E $(72n - 8)(n + 9)$	B $(n + 8)(n + 9)$ D $(72n + 8)(n - 9)$	6 Which answer is the same expression as this $x^2 + 1x - 56$ A $(x - 8)(1x + 7)$ C $(56x + 8)(x - 7)$ E $(1x + 8)(x - 7)$ B $(x + 8)(56x - 7)$ D $(x + 8)(x - 7)$	
7 Which answer is the same expression as this $z^2 - 11z + 30$ A $(z + 5)(1z - 6)$ C $(z + 5)(30z - 6)$ E $(30z - 5)(z + 6)$	B $(z - 5)(z - 6)$ D $(z - 5)(30z + 6)$	8 Which answer is the same expression as this $r^2 - 64$ A $(r + 8)(r - 8)$ C $(r + 7)(r - 2)$ E $(16r - 8)(r + 8)$ B $(r + 16)(r - 16)$ D $(r - 2)(r + 8)$	