



AFRICAN INSTITUTE FOR MATHEMATICAL SCIENCES
SCHOOLS ENRICHMENT CENTRE
TEACHER NETWORK

Sort these cards into 5 sets by matching functions with their derivatives and values.

$f(x) = 3x^2 - 2x + 1$	$f'(x) = 8x - 3$	$f'(-1) = 9$	$f(-1) = -5$
$f(x) = x^2 - 8$	$f'(x) = 2x - 2$	$f'(2) = 10$	$f(2) = 12$
$f(x) = 3 + x - 4x^2$	$f'(x) = 2x$	$f'(-1) = -4$	$f(0) = 1$
$f(x) = x^2 - 2x - 8$	$f'(x) = 6x - 2$	$f'(1) = 5$	$f(1) = 0$
$f(x) = 4x^2 - 3x + 2$	$f'(x) = 1 - 8x$	$f'(4) = 8$	$f(3) = 1$