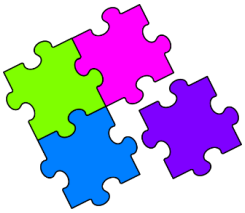
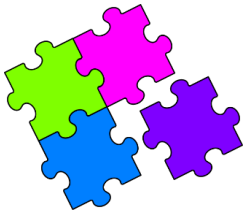


Match-Up



Harder Differentiation

1	$y = x^3 + 2x^2$
2	$y = 2x^3 + 3x$
3	$y = 3x^2 - x^3$
4	$y = x^4 + 2x^2 - 5x$
5	$y = x^3 + \frac{1}{x}$
6	$y = 8 + 4x - 3x^2$
7	$y = x^2(4x - 3)$
8	$y = (x + 2)(3x - 2)$
9	$y = 2x^4 - \frac{1}{x^2}$
10	$y = (x^2 + 2)(x - 5)$
11	$y = \frac{4x^3 - 12x^2}{2x}$
12	$y = \frac{6x^4 - 10}{2x}$

A	$\frac{dy}{dx} = 12x^2 - 6x$
B	$\frac{dy}{dx} = 4 - 6x$
C	$\frac{dy}{dx} = 4x - 6$
D	$\frac{dy}{dx} = 3x^2 - 10x + 2$
E	$\frac{dy}{dx} = 6x - 3x^2$
F	$\frac{dy}{dx} = 3x^2 + 4x$
G	$\frac{dy}{dx} = 9x^2 + \frac{5}{x^2}$
H	$\frac{dy}{dx} = 4x^3 + 4x - 5$
I	$\frac{dy}{dx} = 6x + 4$
J	$\frac{dy}{dx} = 3x^2 - \frac{1}{x^2}$
K	$\frac{dy}{dx} = 8x^3 + \frac{2}{x^3}$
L	$\frac{dy}{dx} = 6x^2 + 3$

1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**