

EVALUATE EXPRESSIONS *and* EQUIVALENT EXPRESSIONS

LEVEL 2

Can you ESCAPE?

<p>#1</p> <p>Which phrase represents $3y + 9$?</p>	<p>1) 9 more than 3 times y 2) 3 more than 9 times y 3) 3 times the sum of 9 and y 4) 9 times the sum of 3 and y</p>
<p>#2</p> <p>Which pair of expressions are equivalent?</p> <p>A. $j + j + j + j$ and j^4 B. $16g + 10 - 4g$ and $20g + 10$ C. $16c + 24c$ and $4(4c + 6c)$ D. $14e^2 + 3e + 8$ and $17e^2 + 8$</p>	<p>1) A 2) B 3) C 4) D</p>
<p>#3</p> <p>Which pair of expressions are equivalent?</p> <p>A. $8(2r)$ and $10r$ B. $6r + 3$ and $9r$ C. $9(3r - 4)$ and $27r - 36$ D. $r + r + r + r + r$ and r^5</p>	<p>1) A 2) B 3) C 4) D</p>
<p>#4</p> <p>Which expression is represented by the phrase "the square of y decreased by quotient of 36 and 6"?</p>	<p>1) $\frac{36}{6} - y^2$ 2) $y^2 - \frac{36}{6}$ 3) $\frac{36}{6 - y^2}$ 4) $\frac{36}{y^2 - 6}$</p>
<p>#5</p> <p>The surface area, S, of a right rectangular prism with length l, width w, and height h, can be found using the formula $S = 2(lw + wh + hl)$. What is the surface area, in square inches, of a prism with a length of 12 inches, a width of 9 inches, and a height of 2 inches?</p>	<p>1) 300 2) 258 3) 150 4) 92</p>