

EVALUATING ALGEBRAIC EXPRESSION

Evaluate the expression when $x = 30$, $y = -3$, and $z = -2$.

1) $x \div 2y$

2) $81 \div y^2$

3) $5yz^2 \div x$

4) $x \div (y + z)$

5) $\frac{x+y}{y}$

6) $\frac{-x+y}{z}$

7) $\frac{-90}{zy^2}$

8) $\frac{32y}{z^2}$

Evaluate the expression.

9) $a(b - 1)^2$ if $a = -2$ and $b = 4$

10) $\frac{a}{2} - 4b + 2$ if $a = -6$ and $b = -1$

11) $3(x^2 + 4y - x)$ if $x = 5$ and $y = -5$

12) $\frac{4(rt + rw)}{r}$, if $r = 3$, $w = 1$, and $t = 5$

13) $x(r + w)^2 - ut$, if $x = 2$, $r = 3$, $w = 1$, $u = 4$, and $t = 5$