REVIEW WS

Use substitution to evaluate the expression.

For #1-3 let a = 5 and b=2

2) $a - b$ 2) $5a - b$ 3) $2a + 3b$

For #4-6, let x = 4, y = 7, and z = 2

4) $x + y + z$ 5) $2x - y + 3z$ 6) $x^2 + 7$

For #7-9, let m=2, n =4, and p=8

7) $m + 3n$ 8) $2p + 3n$ 9) $m^3 \div p$

Indicate with math symbols what operations are being described by the given word(s). Use +, -, x, or ÷ symbols.

10) sum
11) product
12) decreased by
13) quotient
14) increased by
15) difference
16) more than
17) less than

Write a verbal expression for the algebraic expression.

18) ab
19) $x + 7$
20) $2x$
21) m^3
22) $x - 6$
23) $8y^2$
24) $\frac{x}{y}$
25) $3x - 4$

Write an algebraic expression to the given verbal expression.

26) eight less than a number

27) a number increased by seven

28) a number squared

29) a number decreased by three

30) the quotient of m and n

31) two less than five times a number

32) the product of twice a and b

33) one-half the product of x and y

34) seven more than the cube of a number

35) twice the product of a and b