ES

Touch the algebraic expression that represents each verbal expression.

✓ a) y is increased by 7
- $7y$
- $y \times 7$
- $y + 7$

✓ b) Twice a
- $2a$
- $2 + a$
- a^2

✓ c) b squared
- $b \times 2$
- b^3
- b^2

✓ d) half of y
- $y \times 2$
- $y \div 2$
- $y - 2$

Touch the verbal expression that represents each algebraic expression.

a) $c - 14$
- the product of c and 14
- c is decreased by 14
- the quotient of 14 and c

b) s^3
- s cubed
- s squared
- s times 3

Reset

If $x = 4$, calculate the value of the following expressions.

a) $3x^2 + 4x$ ☐☐

b) $7x + 2x - x$ ☐☐

c) $7x - 3x \div 2$ ☐☐

d) $2x^3 - 2x^2 + 2x - x$ ☐☐☐

Simplify each expression.

a) $(3x + 2) + x(2)$

☐x + ☐

b) $2(x^2 + 2x + 4) + x(x + 3)$

☐x^2 + ☐x + ☐

1 2 3 4 5 6 7 8 9 0

Reset

Evaluating Expressions involves substituting the unknown variables with a number, then simplifying the expression. Take our expression from before, "$x + y$". If $x = 2$ and $y = 3$, substitute these two numbers in the expression to solve it.

$$x + y \qquad \longleftarrow \qquad \text{touch}$$

Reset