Substitute numbers into expressions

7

MATHS-SCHOOL

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Name:

Evaluate these expressions when $n = 4$

a) $4n$	16	d) $\frac{n}{2}$	2	g) $20 - 2n$	12
b) $n + 2$	6	e) $n - 3$	1	h) n^2	16
c) $10 - n$	6	f) $3n - 4$	8	i) $n^2 + n$	20

Evaluate these expressions when $a = 5$

a) $5a$	25	d) $\frac{10}{2a}$	1	g) $10 - 3a$	-5
b) $a + 3$	8	e) $2a - 2$	8	h) a^3	125
c) $2 - a$	-3	f) $8a - 5$	35	i) $a^2 - 2a$	15

Evaluate these expressions when $b = 6$ and $c = 5$

a) $b + c$	11	d) $\frac{10b}{c}$	12	g) $2c^2 - 2b$	38
b) $2b - c$	7	e) $2c - b$	4	h) $(bc)^2$	900
c) bc	30	f) $b^2 - c$	31	i) $5bc - 2b^2$	78

Evaluate these expressions when $x = 2$, $y = -2$ and $z = -3$

a) $2x$	4	d) $\frac{x}{y}$	-1	g) xyz	12
b) $2y$	-4	e) $x + y$	0	h) y^2	-4
c) $50 - 4x$	42	f) $8x - z$	19	i) $z^2 - xz$	15

Evaluate these expressions when $p = -5$, $q = -4$ and $r = -1$

a) $5p$	-25	d) $\frac{pq}{r}$	-20	g) $pq - 4r$	24
b) $p + q$	-9	e) pqr	-20	h) $q^2 + p^2$	41
c) $r - q$	3	f) $8r - q$	-4	i) $q^3 - p^2$	-89

Exam style question:

An expression for the area of a triangle is given as $12c^2$

If the value of c in a triangle is given as 4cm, calculate the area of the triangle in cm^2

$12(4)^2 = 192cm^2$