Expressions, terms, equations, identities and formulae

1

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Name:

Classify each of the following as either an expression, equation, formula or identity.

a) $A = bh$

b) $5x = 10$

c) $9x^3$

d) $c = \pi d$

e) $8a = 5a + 3a$

f) $4a + 5c$

g) $3abc$

h) $6a + b = c$

i) $3a + 9 = a$

j) $8a = 4b$

k) $9x^2 = 18x$

l) $4(a + b) \equiv 4a + 4b$

m) $8b = 2b - 2$

n) $p = 2w + 2l$

Here is a mixture of expression, equations, formulae and identities. Write each one in it's correct category

21 = 6x + 3	**$12x^3 = 96$**	**3x - 2**	**(a + 2b) = (2b + a)**
xy = yx	**2n + 5**	**P = 2(l + w)**	**5x + 5 = 15**
3(x +y) = 3x + 3y	**2x + 6 = 10**	**y = mx + c**	**13a = 52**
$6x^3$	**$A = \pi r^2$**	**A = bh**	**20a + 10b**
$V = 4/3\pi r^3$	**A + 5 = 5 + A**	**2a**	**$(a + b)^2 = a^2 + 2ab + b^2$**

Write each of the above in it's correct 'category' below

Expression	Formula	Identity	Equation

Exam style question:

a) Which of the following is an expression ?

A) $x^2 + 5x + 6$ B) $P = 2(b + h)$ C) $50 + 10x = 20$

b) Which of the following is an formula ?

A) $x^2 - x - 12$ B) $A = \frac{1}{2}(a + b)h$ C) $25x - 10 = 5x$