

Algebra 1

1) For each pattern write down the next 2 numbers

- a) 7, 10, 13,
- b) 50, 42, 34,
- c) 3.5, 5.5, 7.5,
- d) 2, 4, 8, 16
- e) 64, 32, 16
- f) 3.1, 4.5, 5.9

2) Complete these tables

a) $y = x + 8$

x	1	2	3	4
y				

b) $p = 4q$

q	3	4	5	6
p				

c) $m = n - 1$

n	7	8	9	10
m				

d) $d = 2c + 1$

c	1	2	3	4
d				

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e) $f = e^2$

e	3	4	5	6
f				

f) $h = 5k$

k	1	2	3	4
h				

g) $p = a \div 3$

a	0	3	6	30
p				

h) $h = 9m$

m	1	2	3	4
h				

i) $y = 3x - 7$

x	3	4	5	6
y				

j) $t = 3k + 5$

k	1	2	3	4
t				

k) $g = 6s$

s	1	2	3	4
g				

l) $p = h^2 + 7$

h	1	2	3	4
p				

3) $x = 2$, $y = 4$ and $z = 7$.
Substitute and evaluate these expressions.

a) $3y$

=

=

b) xz

=

=

c) $2x + y$

=

=

d) y^2

=

=

e) $z \div 2$

=

=

f) $3z^2$

=

=

g) $y + y + y + y + y + y$

=

=

h) $4x + 2z$

=

=

i) $8x - z$

=

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