

Algebra 1

1) For each pattern write down the next 2 numbers

- a) 12 , 10 , 8 ,
- b) 55 , 65 , 75 ,
- c) 9.4 , 7.4 , 5.4 ,
- d) 5 , 10 , 20 , 40 ,
- e) 48 , 24 , 16 ,
- f) 3.6 , 3.1 , 2.6 ,

2) Complete these tables

a) $y = x + 7$

x	1	2	3	4
y				

b) $p = 8q$

q	3	4	5	6
p				

c) $m = n - 3$

n	7	8	9	10
m				

d) $d = 6c + 1$

c	1	2	3	4
d				

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e) $f = e^2$

e	1	3	5	7
f				

f) $h = 4k$

k	1	2	3	4
h				

g) $p = a \div 2$

a	0	6	12	18
p				

h) $h = 8m$

m	1	2	3	4
h				

i) $y = 4x - 1$

x	3	4	5	6
y				

j) $t = 7k + 1$

k	1	2	3	4
t				

k) $g = 11s$

s	1	2	3	4
g				

l) $p = h^2 + 5$

h	1	2	3	4
p				

3) $x = 3$, $y = 4$ and $z = 10$.
Substitute and evaluate these expressions.

a) $3y$

=

=

b) xz

=

=

c) $2x + y$

=

=

d) y^2

=

=

e) $z \div 2$

=

=

f) $2z^2$

=

=

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

=

=

h) $4x + 2z$

=

=

i) $8x - z$

=

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