

S3 Homework Algebra.

1. a) $4(x+6) - 12$
 $= 4x + 24 - 12$
 $= 4x + 12$

b) $10 + 5(y-2)$
 $= 10 + 5y - 10$
 $= 5y$

2 a) $4y - 8 = 4(y-2)$

b) $6p - 18q = 6(p-3q)$

c) $2x^2 - 8x = 2x(x-4)$

a) $\frac{1}{2}$ of 128 = $128 \div 2 = 64$

b) $\frac{1}{8}$ of 232 = $8 \overline{) 232} = 29$

c) $\frac{2}{7}$ of 126 = $7 \overline{) 126} = 18$
 $18 \times 2 = 36$

d) $\frac{3}{5}$ of 850 = $5 \overline{) 850} = 170$
 $170 \times 3 = 510$