MATHS - DIRECT VARIATOION

Answer the following

1. If p varies directly as q, and p=20 when q=5:

a. Find the formula connecting p and q.
b. Find p when q=7.
c. Find q when p=30

Formula:
P:
q:

2. If a varies directly as b, and a=15 when b=3

a. Find the formula a and b
b. Find a when b=8
c. Find b when a=12

Formula:
a:
b:

3. If r varies directly as s, and r=18 when s=6

a. Find the formula connecting r and s.
b. Find r when s=10
c. Find s when r=9

Formula:
r:
s:

4. If t varies directly as u, and t=24 when u=8

a. Find the formula connecting t and u.
b. Find t when u=15
c. Find u when t=36

Formula:
t:
u:

5. If m varies directly as n, and m=40 when n=5

a. Find the formula connecting m and n
b. Find m when n=12
c. Find n when m=28

Formula:
m:
n:

LIVEWORKSHEETS