

1. Rewrite $S = x + y$ as a function of x only if $xy = 100$

2. Rewrite $A = xy$ as a function of x only if $2x + 5y = 750$

3. Rewrite $V = x^2y$ as a function of x only if $x^2 + 4xy = 1200$

4. Rewrite $D = x^2 + y^2$ as a function of x only if $y = 2x + 3$

5. Rewrite $D = (x - 1)^2 + y^2$ as a function of x only if $4x^2 + y^2 = 4$

6. Rewrite $S = 2\pi rh + \pi r^2$ as a function of r only if $V = \pi r^2 h$ where V is a fixed value.
[note: Your answer will also contain V .]

3, 11, 15, 21, 23, xx