

# Corbett's Conundrums

21<sup>st</sup> October

Solve for  $x$  and  $y$

$$4x - 5y = 11 = 2x + 3y$$

Substitute the values found for  $x$  and  $y$  into:

$$6x - 2y, 8x + y, 10 + 4y,$$

and in the sequence

$$x - 4y, 3x - y, 5x + 2y, 7x + 5y, 9x + 8y$$

What do you discover?

