Name:

Solve:

a) $x + \frac{x+6}{2} = 15$

x = 8

b) $\frac{x-2}{4} + 2x = 13$

x = 6

c) $x + \frac{x-3}{2} = 6$

x = 5

d) $\frac{x}{2} + 4x = 36$

x = 8

e) $\frac{x+1}{2} + \frac{x+2}{3} = 12$

x = 13

f) $\frac{x+6}{2} + \frac{x}{3} = 13$

x = 12

g) $\frac{x+3}{5} + \frac{3x}{2} = 21$

x = 12

h) $\frac{x+4}{6} + \frac{2x-1}{3} = 7$

x = 8

i) $\frac{x+7}{5} + \frac{4x}{2} = 8$

x = 3

j) $\frac{x-4}{6} + \frac{2x-4}{2} = 9$

x = 10

Exam question:
The rectangle has dimensions given as algebraic expression in metres.
Find x if the perimeter is 36m.

x = 9

$\frac{2x-4}{2}$

$\frac{4x-3}{3}$