Name:





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Solve the following simultaneous equations:

a)
$$y = x^2$$

 $y + 5x - 14 = 0$

b)
$$y = x^2$$

 $4x + y = 45$

c)
$$y + x = 5$$

 $6x + y^2 = 22$

d)
$$y = x + 3$$

 $y^2 + x^2 = 9$

e)
$$y = x + 1$$

 $y^2 + 3x - 15 = 0$

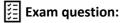
f)
$$y = 2 - 3x$$

 $y^2 - 5x^2 = -4$

Solve the following simultaneous equations (giving your answers to 1 decimal place):

g)
$$y = x^2$$
 and $y + 4x - 7 = 0$

h)
$$y = 3 - x$$
 and $y^2 - 2x = 15$



A line with equation y=2x+5 intersects a circle with equation $x^2+y^2=10$ Find the co-ordinates of two intersecting points

