Solving Simultaneous Equations Graphically

For each pair of equations draw the lines for each, the point of intersection represents the solution.

|  |  |
| --- | --- |
| $1. y=3x-1$  $y=2x$Point of intersection (\_\_\_\_, \_\_\_\_) so x=\_\_\_\_ & y=\_\_\_\_ | $2. y=2x-1$  $y=x$Point of intersection (\_\_\_\_, \_\_\_\_) so x=\_\_\_\_ & y=\_\_\_\_ |
| $3. y=3x-2$  $y=x-2$Point of intersection (\_\_\_\_, \_\_\_\_) so x=\_\_\_\_ & y=\_\_\_\_ | $4. y=3-2x$  $y=x$Point of intersection (\_\_\_\_, \_\_\_\_) so x=\_\_\_\_ & y=\_\_\_\_ |
| $5. -x+y=5$  $y=2x-1$Point of intersection (\_\_\_\_, \_\_\_\_) so x=\_\_\_\_ & y=\_\_\_\_ | $6. 2x+y=6$  $x+y=-6$Point of intersection (\_\_\_\_, \_\_\_\_) so x=\_\_\_\_ & y=\_\_\_\_ |
| $7. x-y=3$  $x+y=5$Point of intersection (\_\_\_\_, \_\_\_\_) so x=\_\_\_\_ & y=\_\_\_\_ | $8. x+y=-5$  $y=4x$Point of intersection (\_\_\_\_, \_\_\_\_) so x=\_\_\_\_ & y=\_\_\_\_ |
| $9. y=3x-2$  $x+y=2$Point of intersection (\_\_\_\_, \_\_\_\_) so x=\_\_\_\_ & y=\_\_\_\_ | $10. 2x-3y=6$  $x+3y=3$Point of intersection (\_\_\_\_, \_\_\_\_) so x=\_\_\_\_ & y=\_\_\_\_ |
| $11. x+4y=4$  $x-2y=4$Point of intersection (\_\_\_\_, \_\_\_\_) so x=\_\_\_\_ & y=\_\_\_\_ | $12. x+3y=6$  $x+2y=5$Point of intersection (\_\_\_\_, \_\_\_\_) so x=\_\_\_\_ & y=\_\_\_\_ |