

Samples Simultaneous equations

1. Do the lines $5y - 8x = -94$ and $3y + 10x = 62$ intersect? If so, find the point of intersection.
2. Do the lines $-2x + 8y = 76$ and $9x + 4y = -62$ intersect? If so, find the point of intersection.
3. Do the lines $-3y - 4x = 35$ and $-12y - 16x = 140$ intersect? If so, find the point of intersection.
4. Do the lines $5y - 10x = 25$ and $2y + 6x = 30$ intersect? If so, find the point of intersection.
5. Do the lines $10x - 6y = 12$ and $-4x - 5y = -27$ intersect? If so, find the point of intersection.