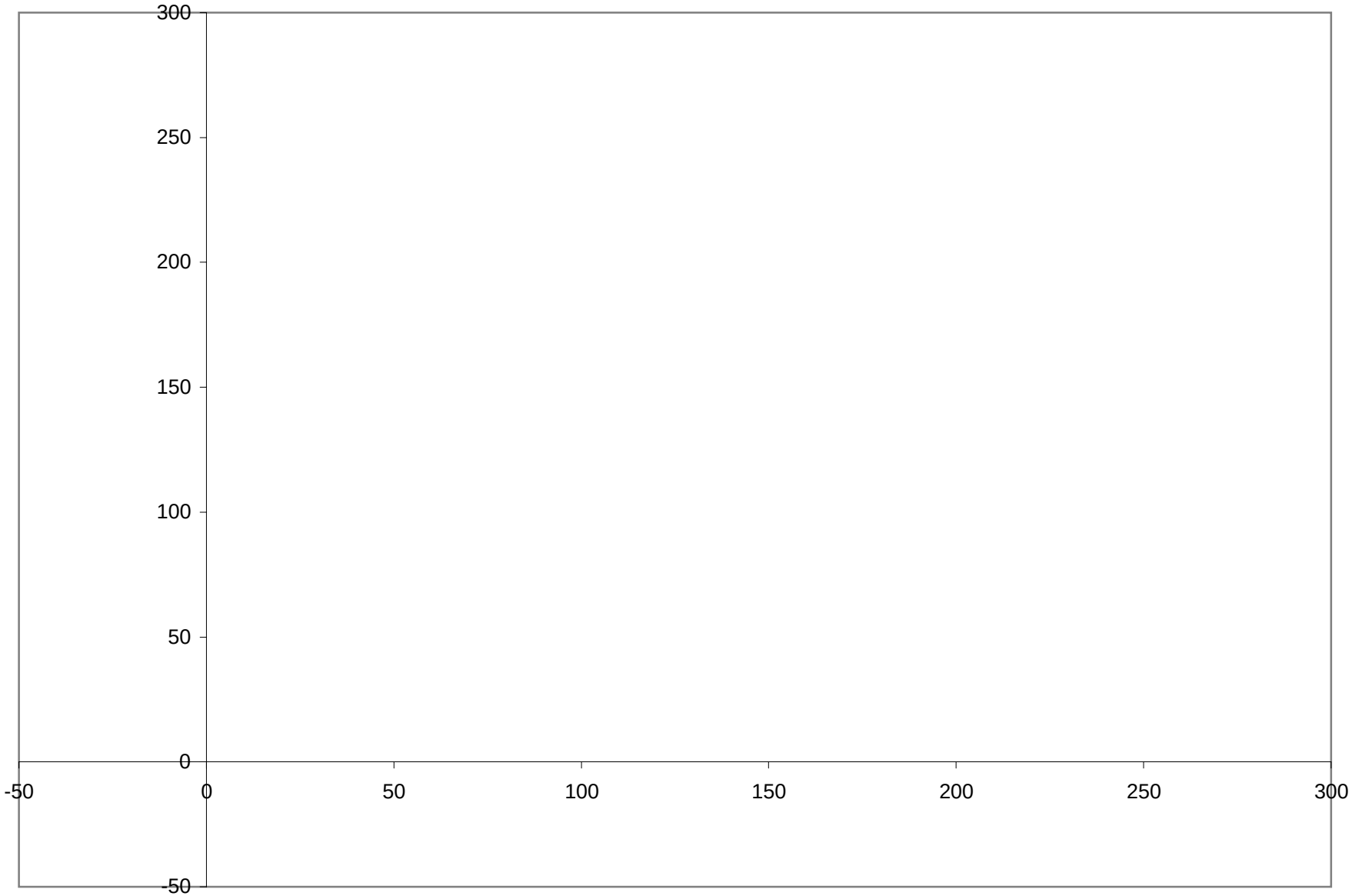
300
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200
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50
0
-50
-50
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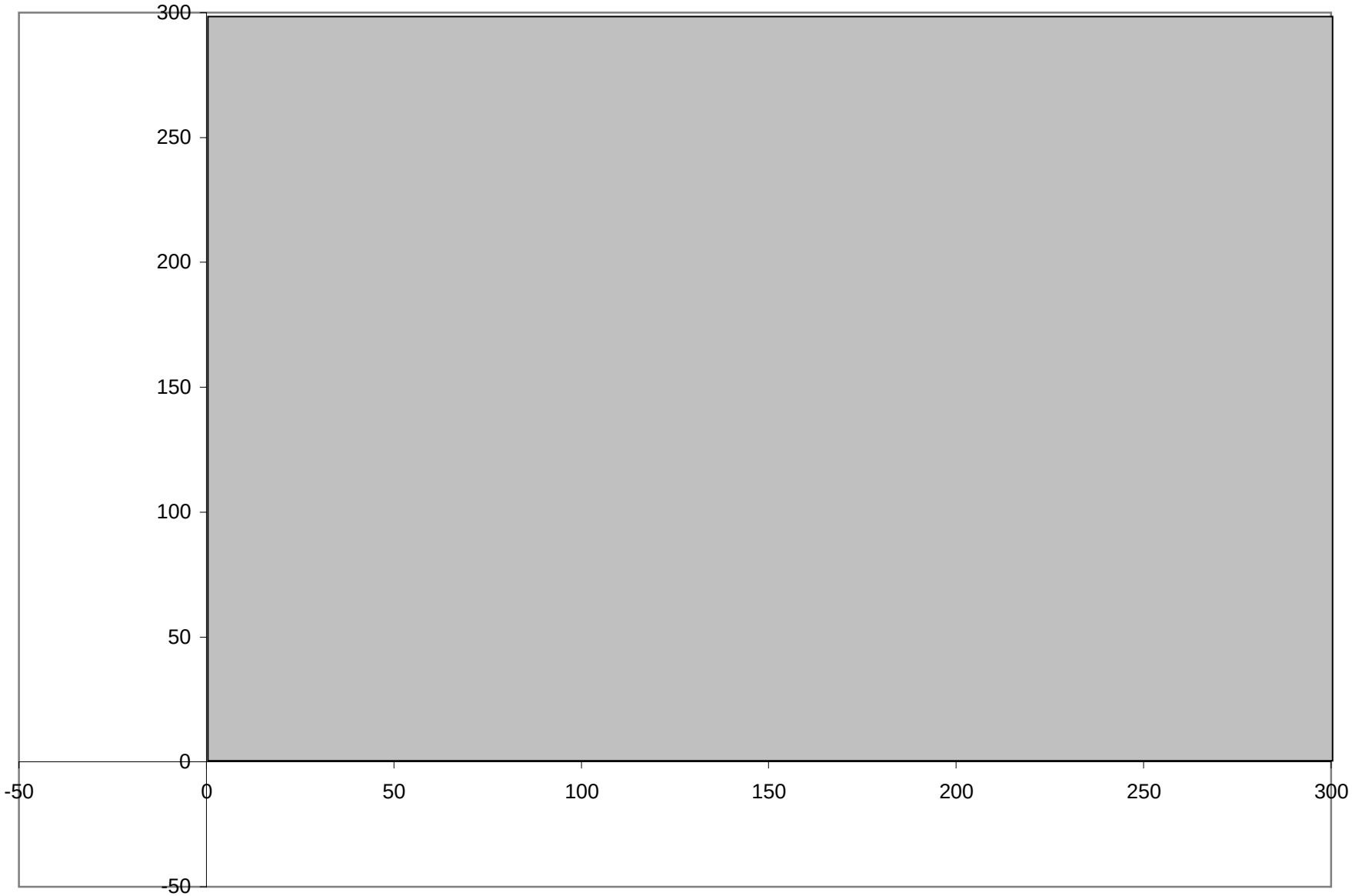
50
100
150
200
250
300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100
50
0
-50
-50
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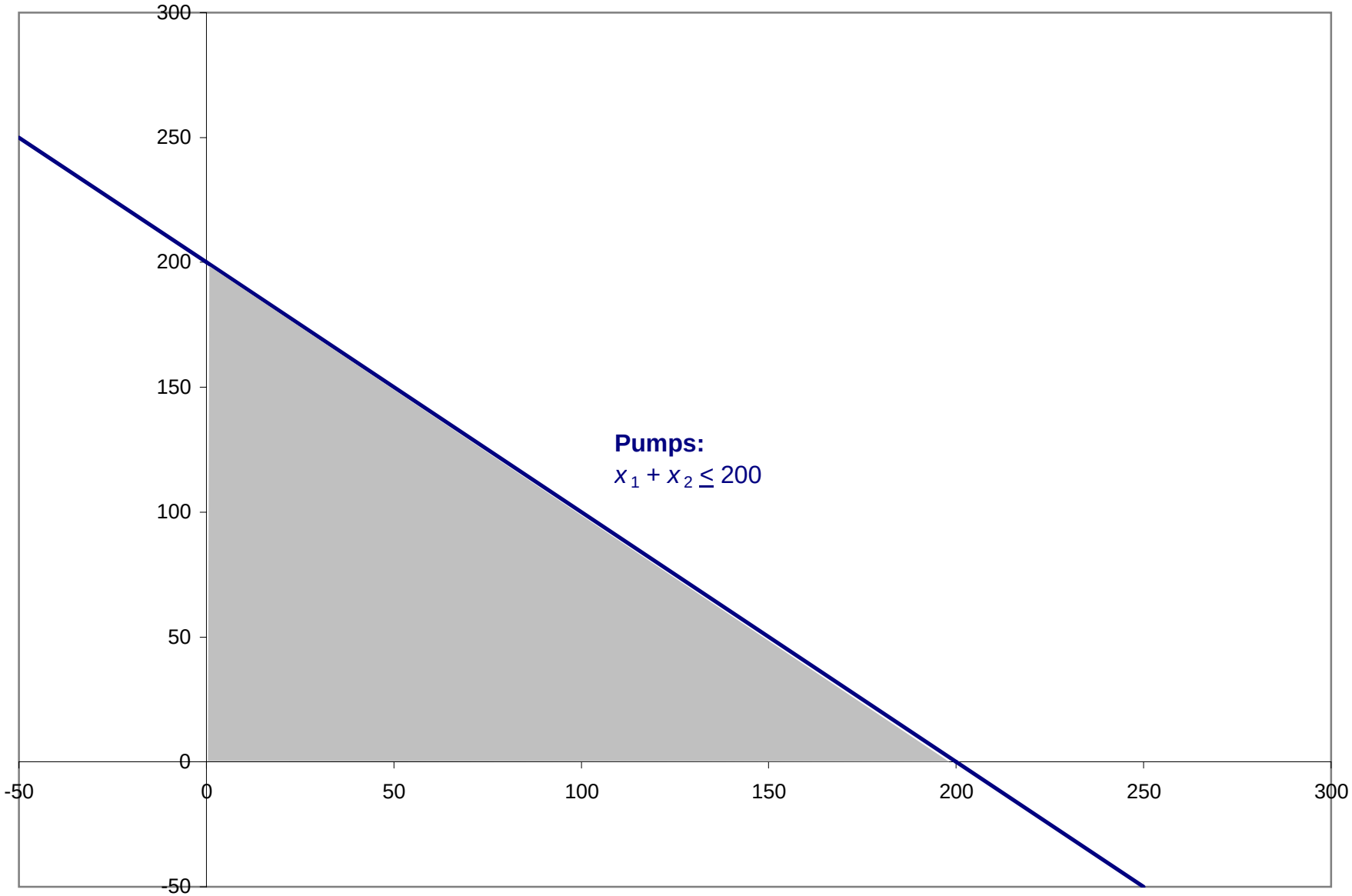
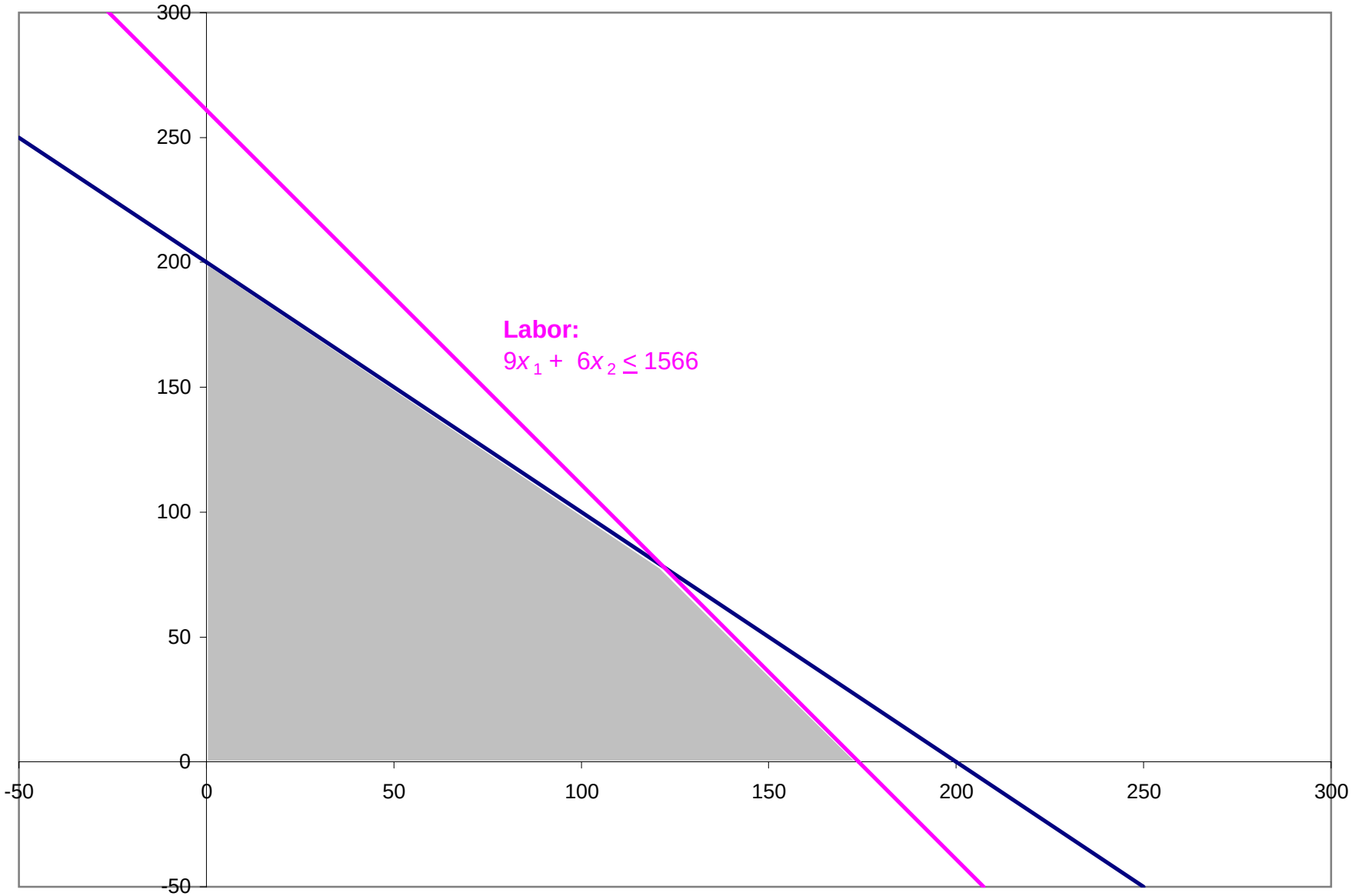
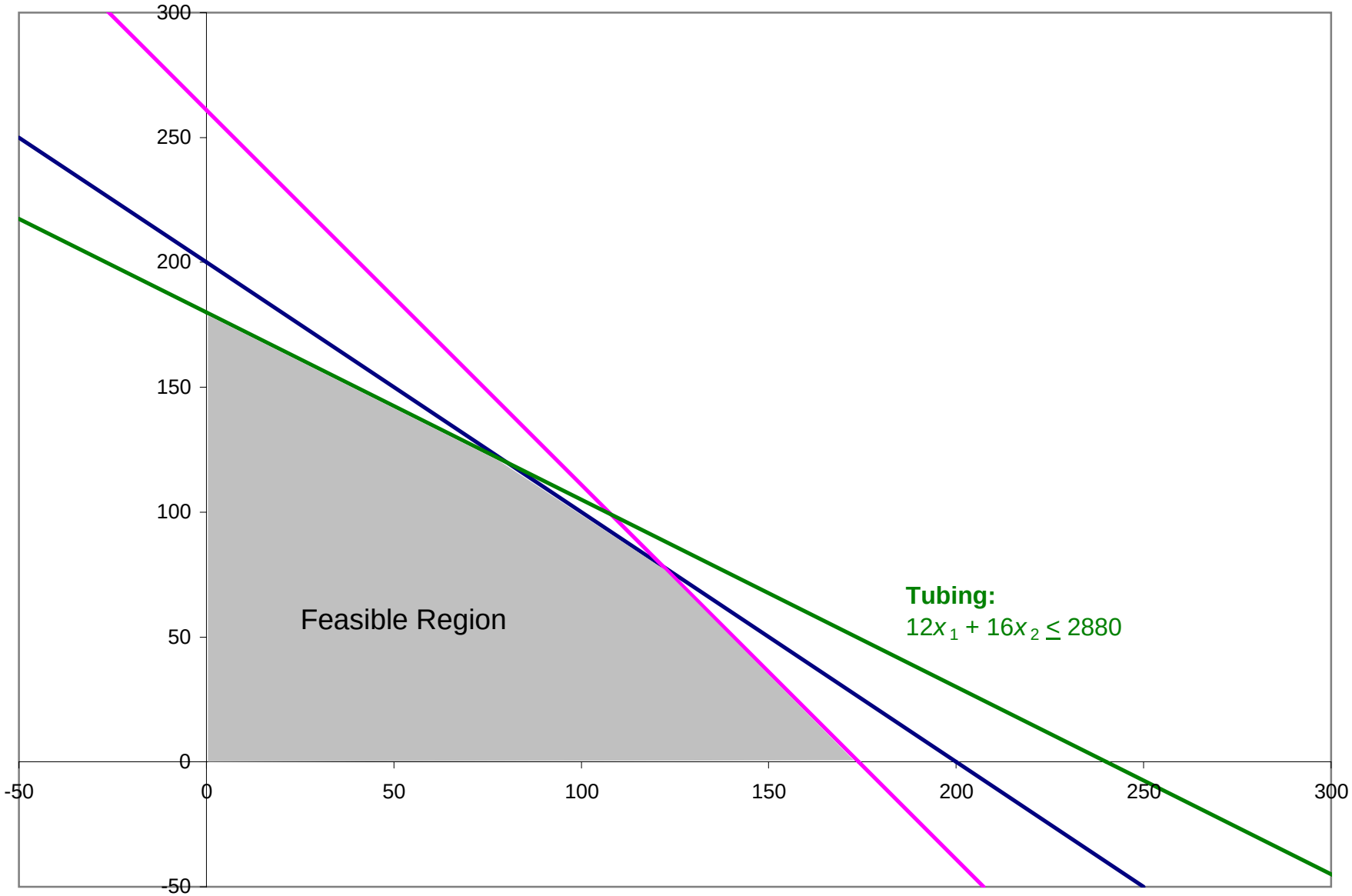
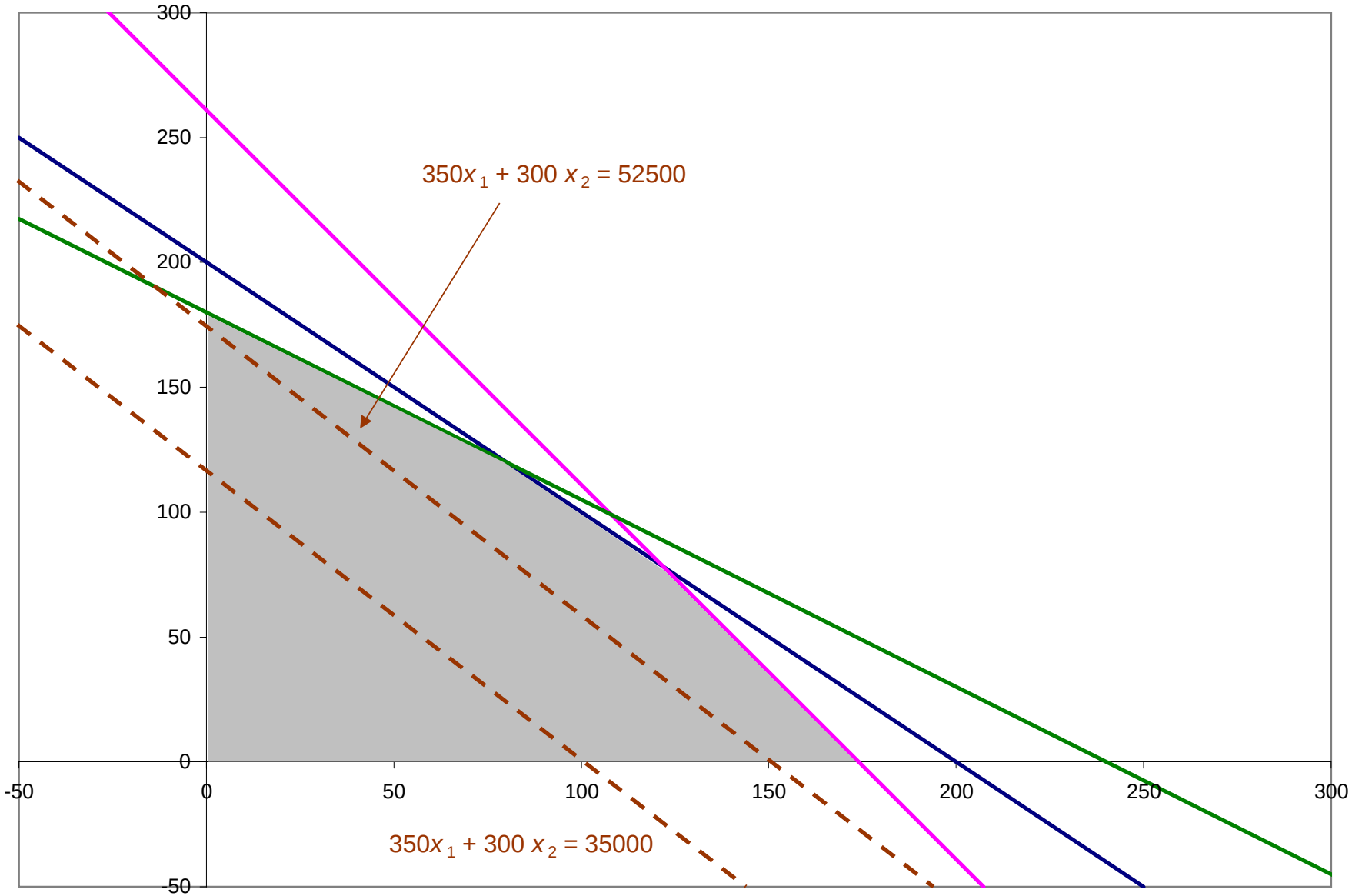
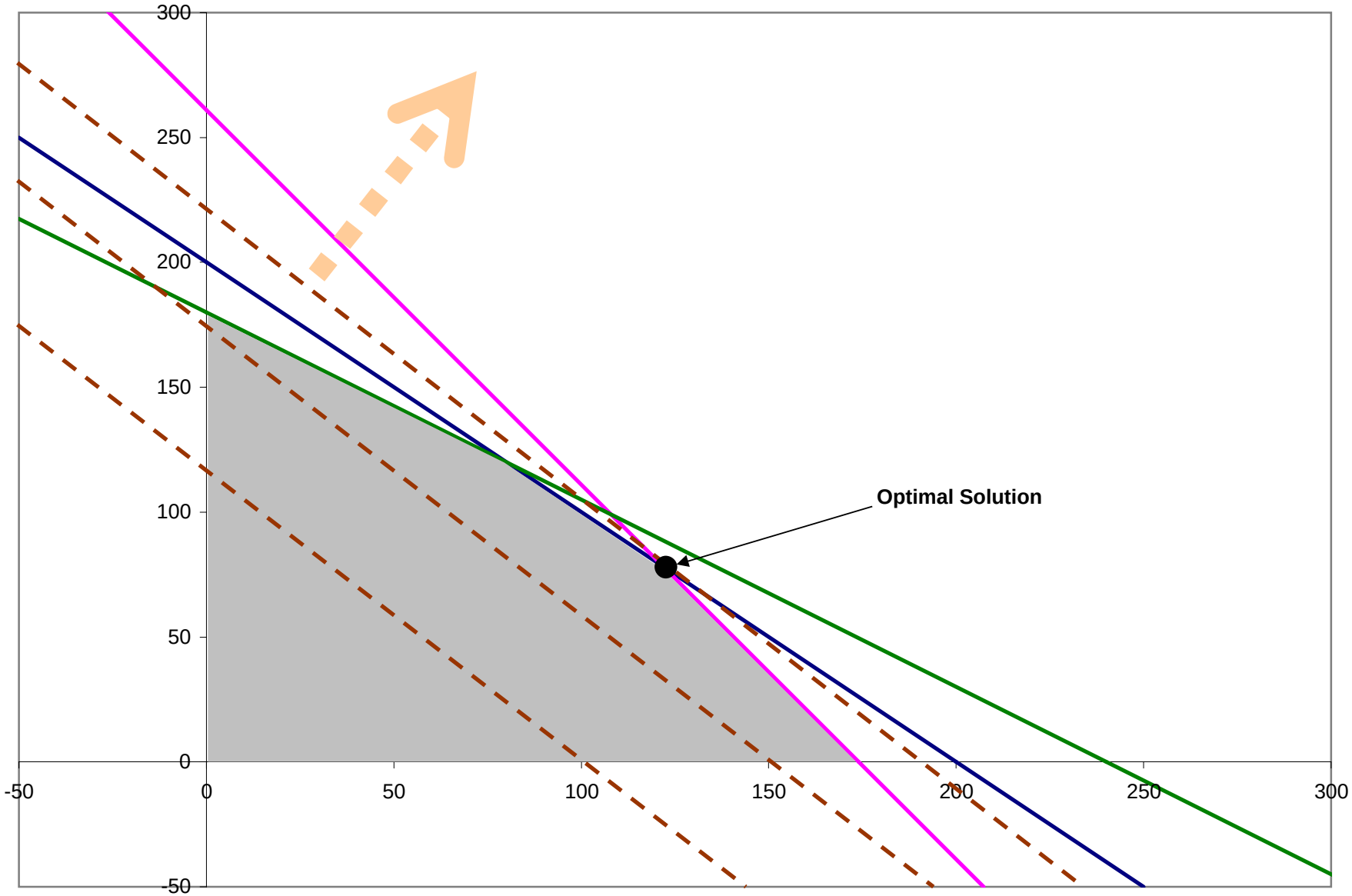
100
150
200
250
300

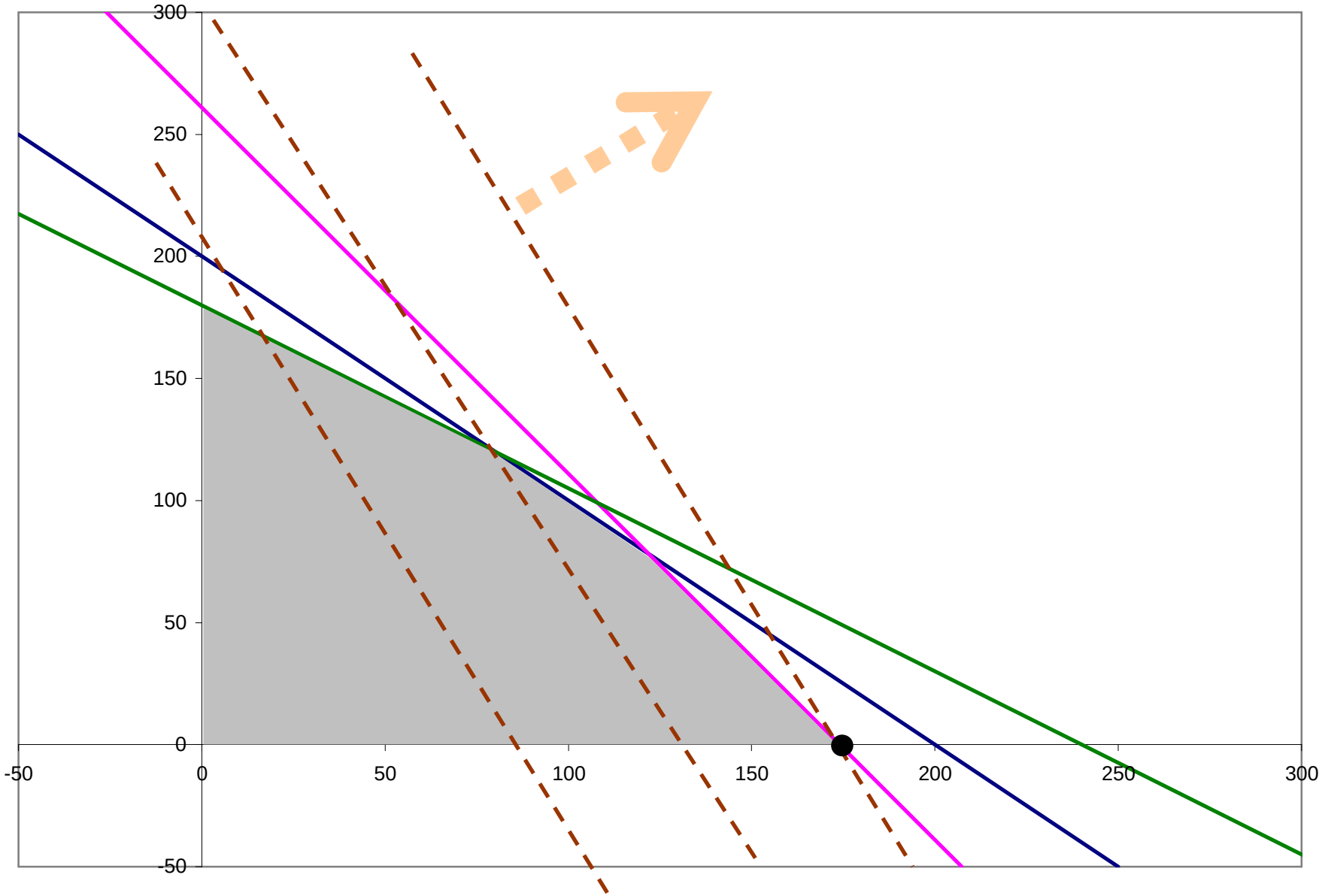

300
250
200
150
100
50
0
-50
-50
0
50
100
150
200
250
300
Pumps:
$x_1 + x_2 \leq 200$


Labor:
$9x_1 + 6x_2 \leq 1566$
300
250
200
150
100
50
0
-50
-50
0
50
100
150
200
250
300


300
250
200
150
100
50
0
-50
-50
0
50
100
150
200
250
300
Feasible Region
Tubing:
$12x_1 + 16x_2 \leq 2880$


300
250
200
150
100
50
0
-50
-50
0
50
100
150
200
250
300
350x 1 + 300 x 2 = 52500
350x 1 + 300 x 2 = 35000


300
250
200
150
100
50
0
-50
-50
0
50
100
150
200
250
300
Optimal Solution


300
250
200
150
100
50
0
-50
-50
0
50
100
150
200
250
300