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**Lecture**Lecture questions due Oct 18,  
2016 at 19:30 IST **Recitation****Problem Set 6**Homework 6 due Oct 18, 2016 at  
19:30 IST 

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## SOCP Exercise

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### SOCP Exercise

1/1 point (graded)

Let  $x = x_1, x_2, x_3, x_4$ . Let  $y = y_1, y_2, y_3$ . Which of the following constraints are permitted as part of an SOCP? (Select all correct answers.)

☐  $\|x\|_2 + \|y\|_2 \leq 1$

☐  $\|x\|_2 \geq 1$

☒  $\|y\|_2 + 10x_1 - 5y_2 \leq 100$

☒  $7x_1 - 4y_2 = 20$



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You have used 2 of 2 attempts

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✓ Correct (1/1 point)

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