

Suggested problems 17

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1. Find the general solution of the given differential equations:

(a) $y'' - y' - 2y = -2t + 4t^2$;

(b) $y'' + 2y' + 5y = 3 \sin(2t)$;

(c) $y'' - 2y' - 3y = 3e^{2t}$.