

(c) $3y' + y = 2x$
(e) $y' + y = x + 1$,
(f) $y' + y = 3 \cos 2x$,
(g) $y' + y = \sin x \cos x$,

(h) $y' + y = e^x$
(j) $(1 + x^2)y' - 2xy = 2x$
(l) $y' - 2y = e^{2x} \sin x$.

5. Na intervalu $(-\frac{\pi}{2}, +\frac{\pi}{2})$ najdi podmínice:

(a) $y' - y \operatorname{tg} x = \frac{1}{\cos x}$,
(b) $y' + y \operatorname{tg} x = \frac{1}{\cos x}$,

