AP CALCULUS AB

PRECALC REVIEW WORKSHEETS

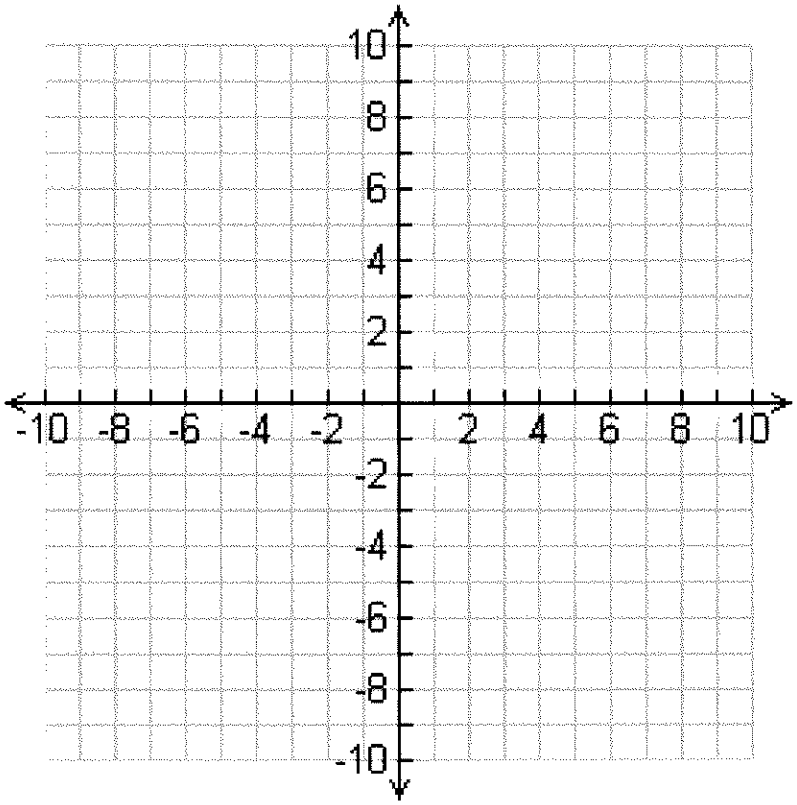
Identify the domain, range, x-intercept(s), y-intercept and asymptotes for the following functions. Also sketch the graph based on your identifications. No Calculators!

(a). $f(x) = x^2 - 4x + 2$

DOMAIN:_____ RANGE: _____ X-INTERCEPTS: _____

Y-INTERCEPT:_____ ASYMPTOTES: _____

SKETCH

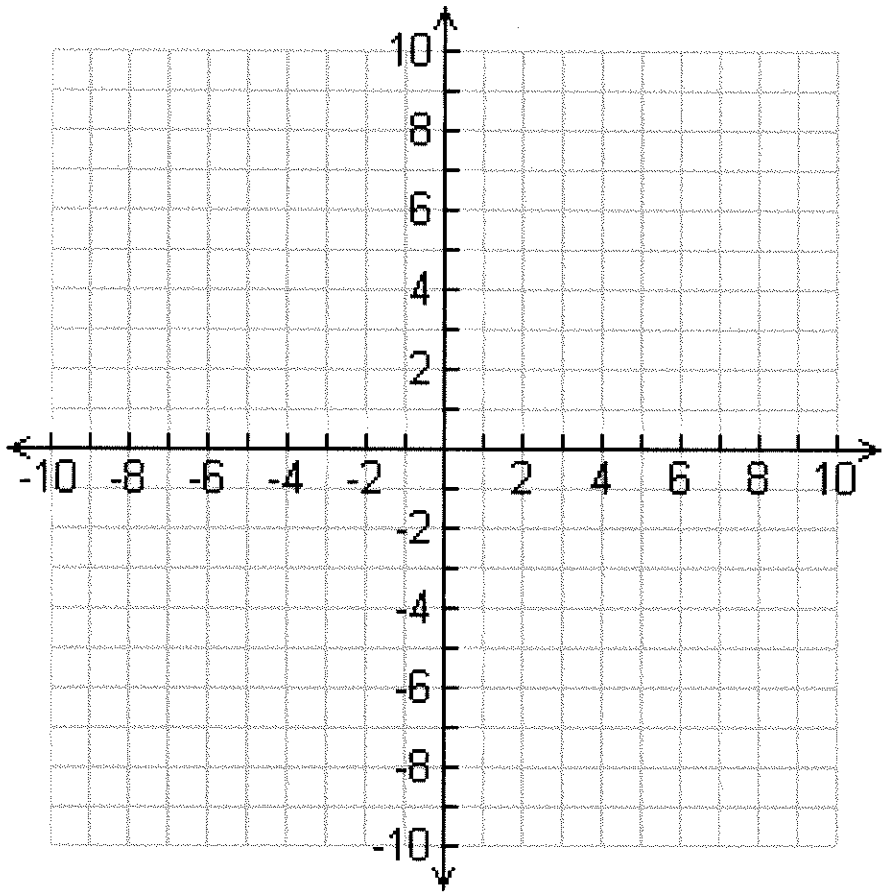


(b). $f(x)=\ln(x+4)$

DOMAIN:_____ RANGE: _____ X-INTERCEPTS: _____

Y-INTERCEPT:_____ ASYMPTOTES: _____

SKETCH

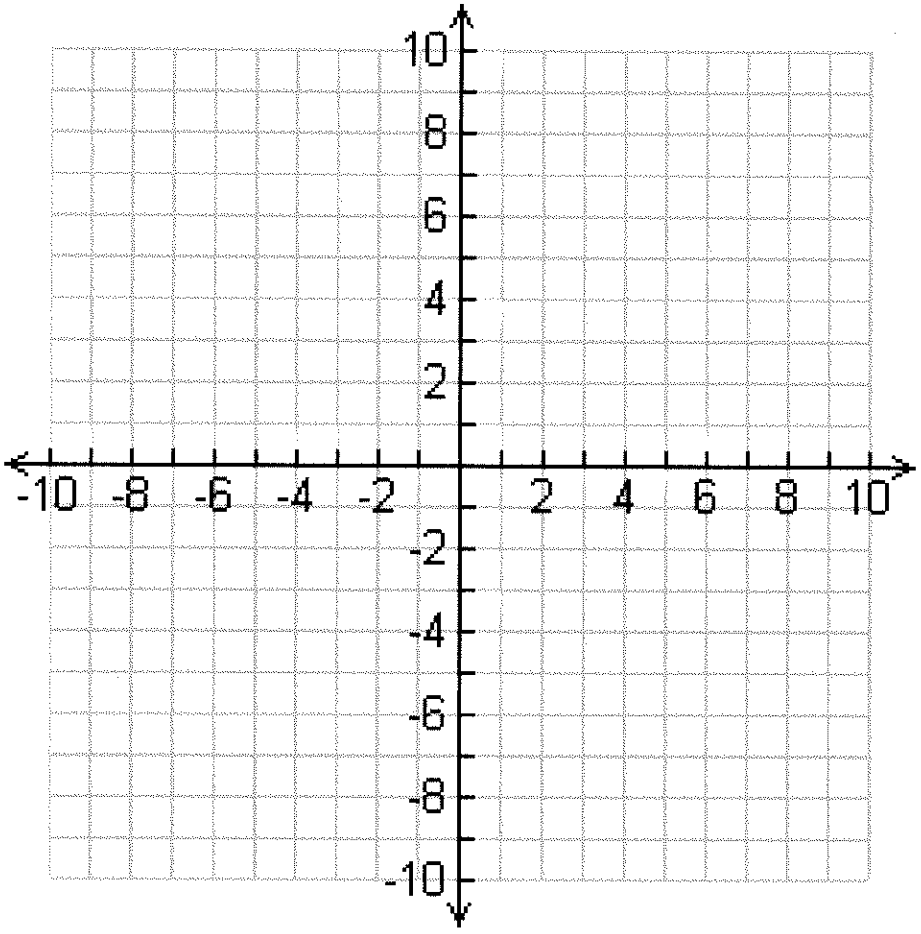


(c). $f(x) = 4^{x-3} - 2$

DOMAIN:_____ RANGE: _____ X-INTERCEPTS: _____

Y-INTERCEPT:_____ ASYMPTOTES: _____

SKETCH

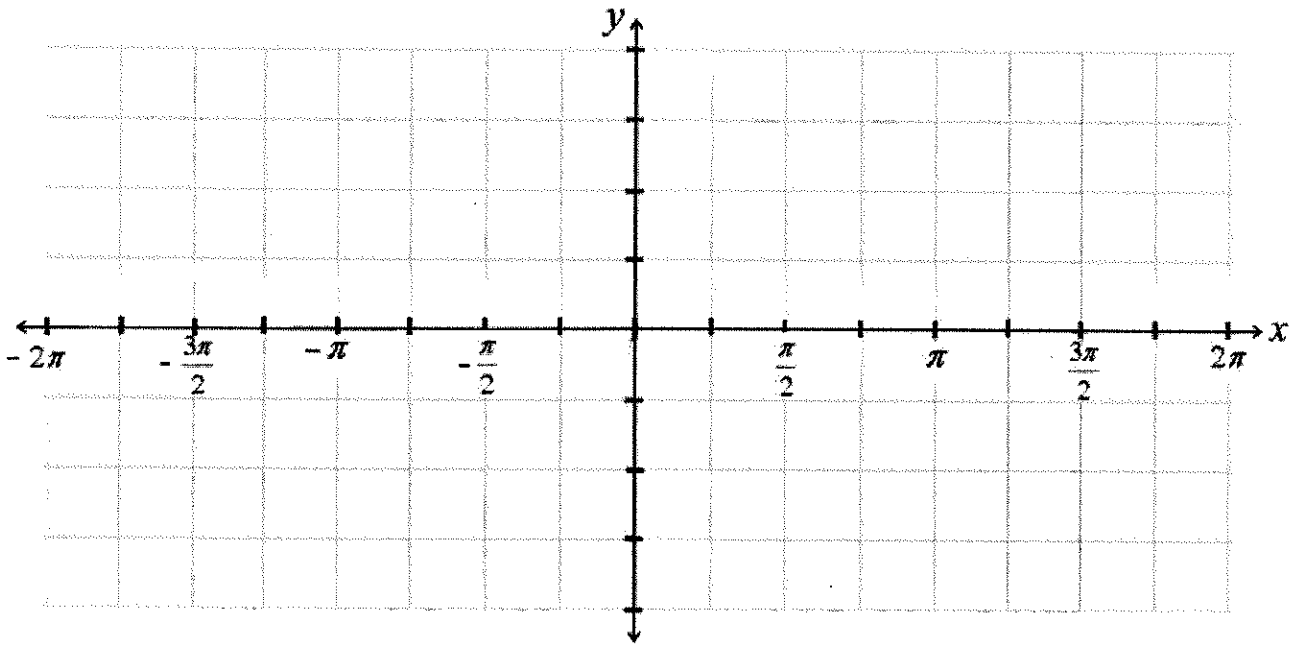


(d). $f(x) = 4\cos(2x)$

DOMAIN:_____ RANGE: _____ X-INTERCEPTS: _____

Y-INTERCEPT:_____ ASYMPTOTES: _____

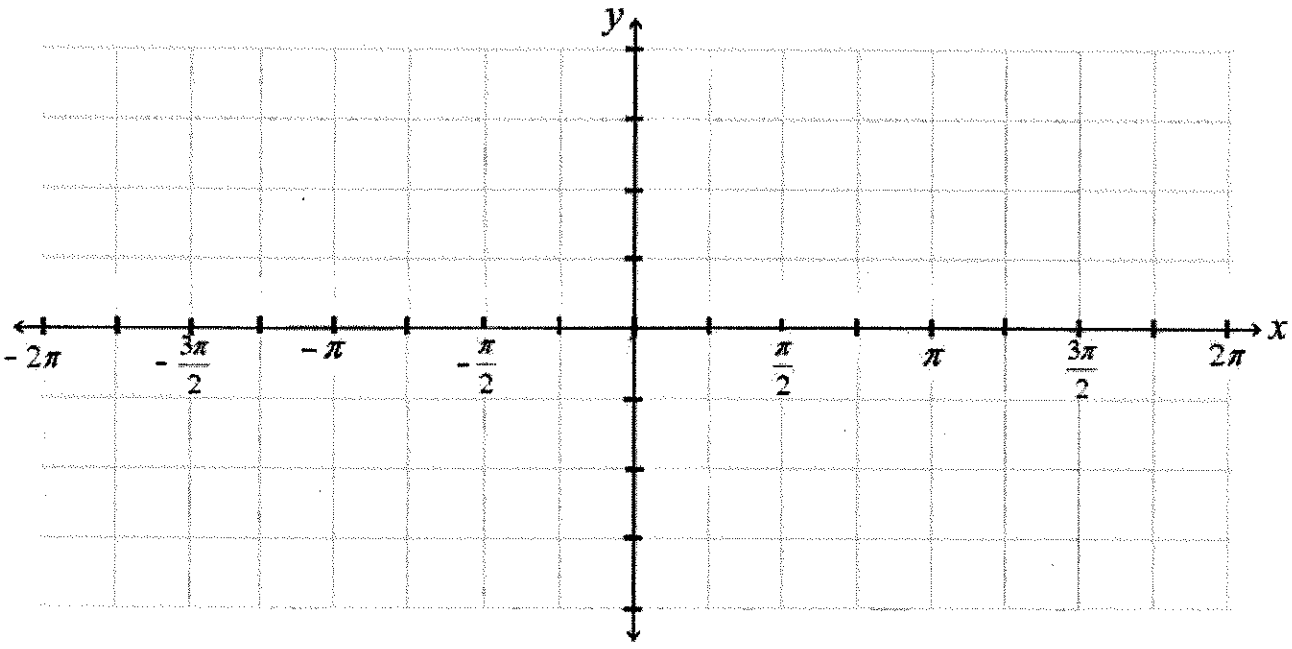
SKETCH



(e). f(x) = $\tan(x + \pi/4)$

DOMAIN: _____ RANGE: _____ X-INTERCEPTS: _____

Y-INTERCEPT: _____ ASYMPTOTES: _____



(f). $f(x)=\dfrac{2x-8}{x-1}$

DOMAIN:_____ RANGE: _____ X-INTERCEPTS: _____

Y-INTERCEPT:_____ ASYMPTOTES: _____

SKETCH