

AP CALCULUS AB
PRECALC REVIEW WORKSHEETS

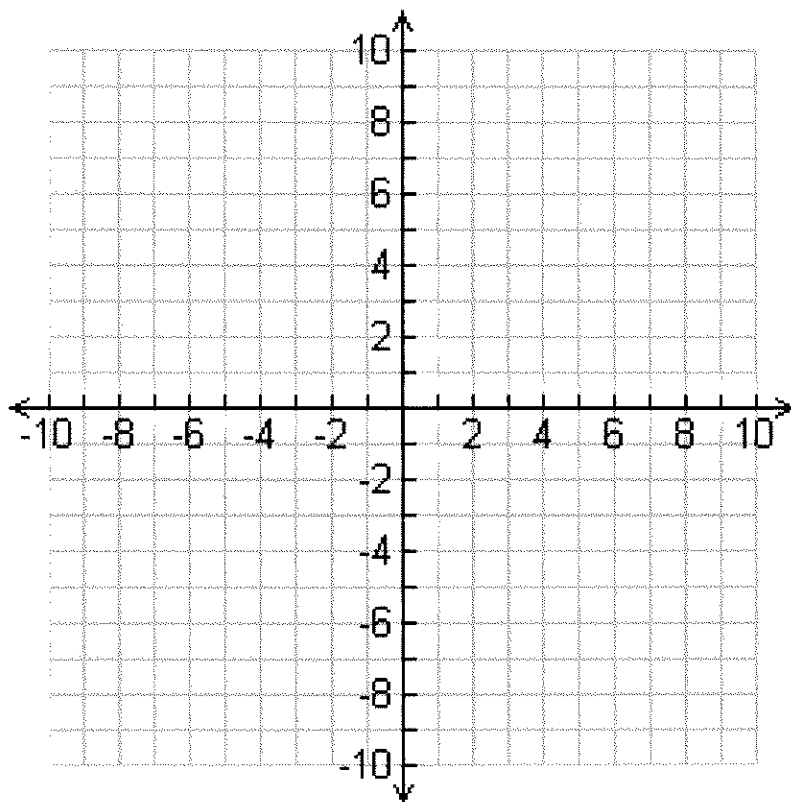
Identify the domain, range, x-intercept(s), y-intercept and asymptotes for the following functions. Also sketch the graph based on your identifications. No Calculators!

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

DOMAIN: _____ RANGE: _____ X-INTERCEPTS: _____

Y-INTERCEPT: _____ ASYMPTOTES: _____

SKETCH

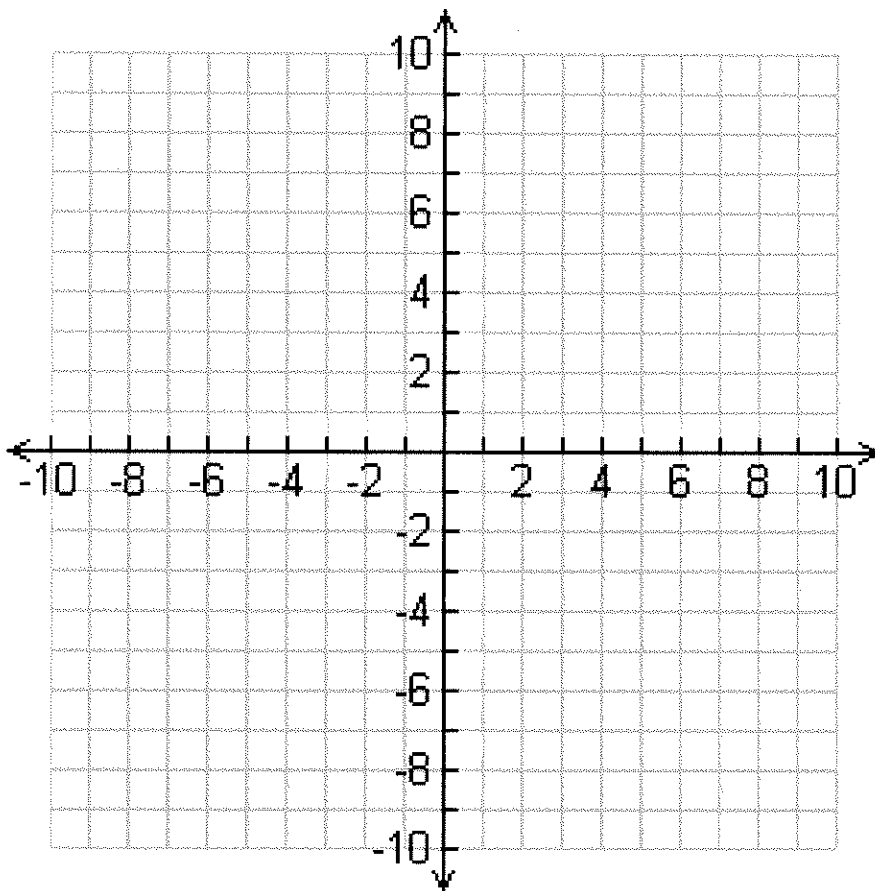


(b). $f(x) = \ln(x+4)$

DOMAIN: _____ RANGE: _____ X-INTERCEPTS: _____

Y-INTERCEPT: _____ ASYMPTOTES: _____

SKETCH

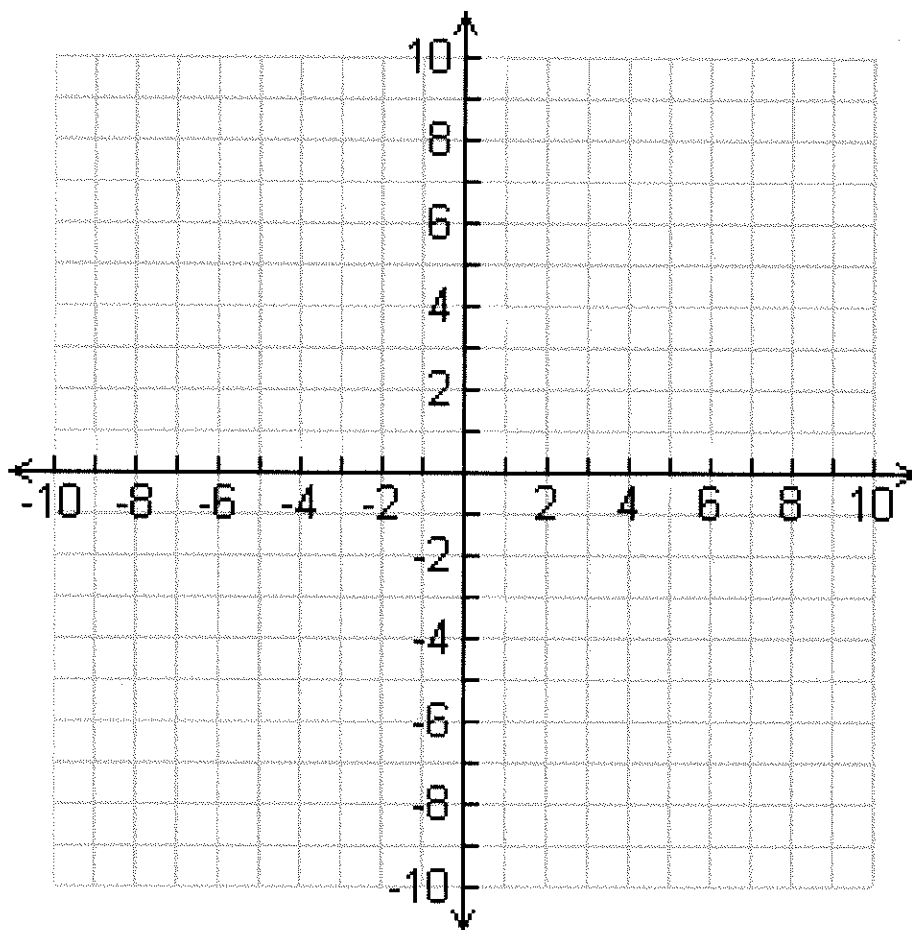


(c). $f(x) = 4^{x-3} - 2$

DOMAIN: _____ RANGE: _____ X-INTERCEPTS: _____

Y-INTERCEPT: _____ ASYMPTOTES: _____

SKETCH

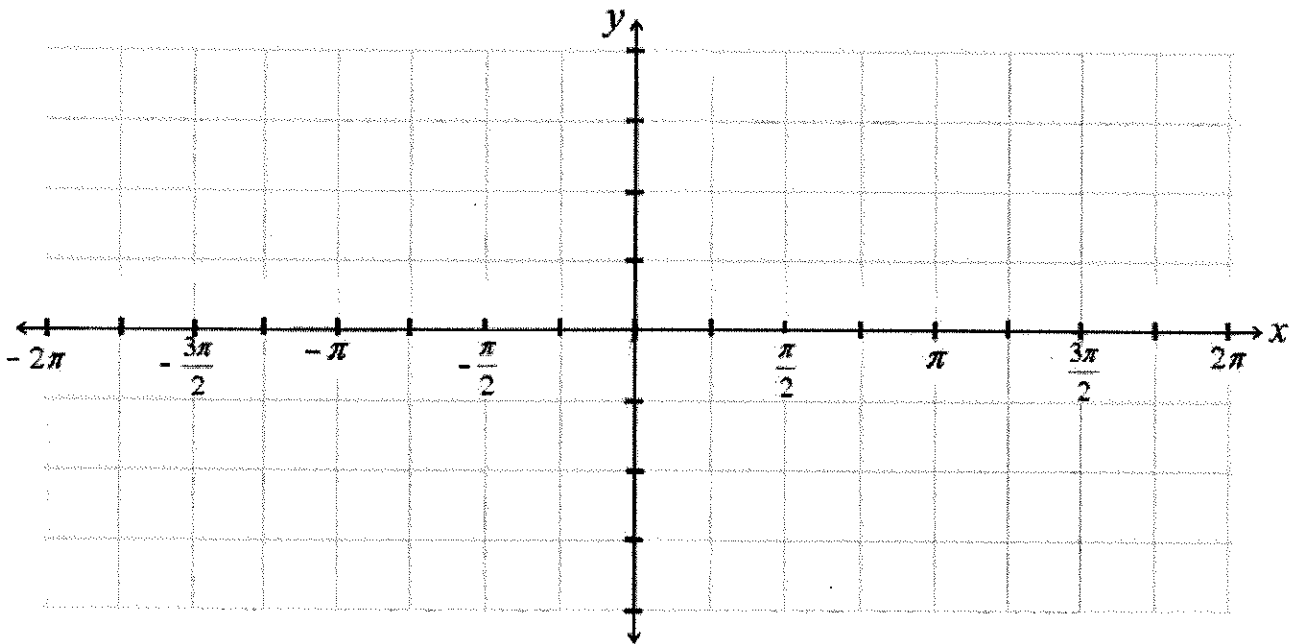


(d). $f(x) = 4 \cos(2x)$

DOMAIN: _____ RANGE: _____ X-INTERCEPTS: _____

Y-INTERCEPT: _____ ASYMPTOTES: _____

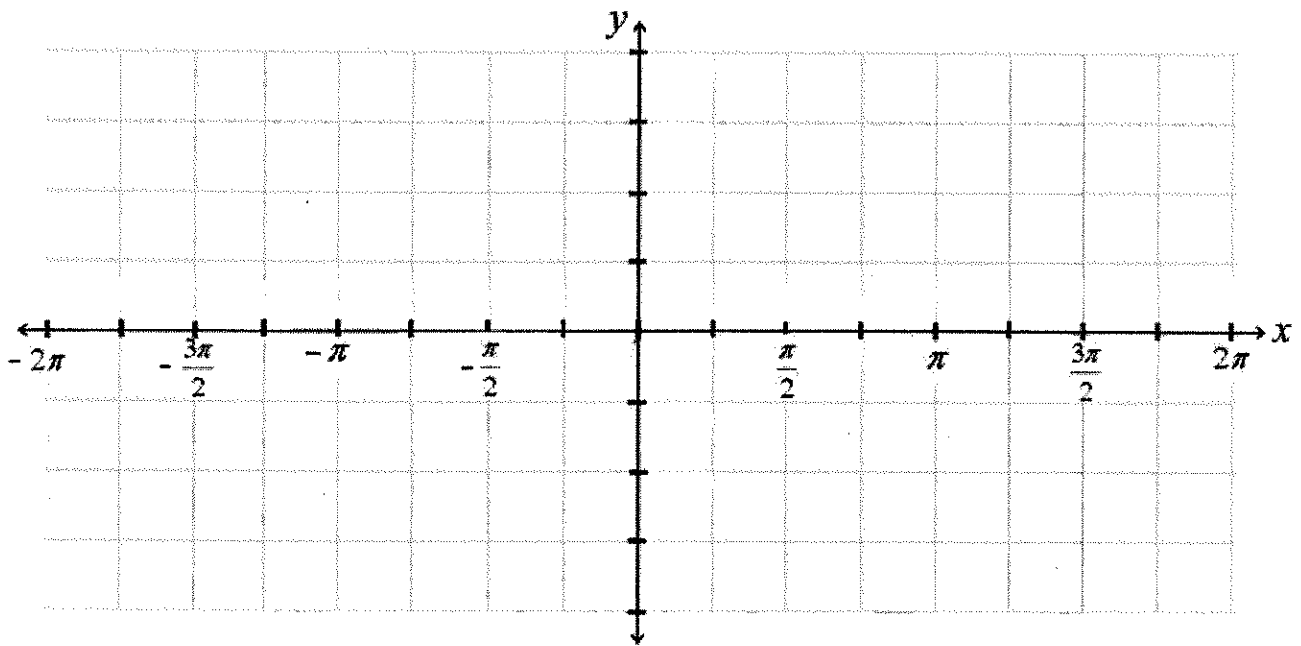
SKETCH



(e). $f(x) = \tan(x + \frac{\pi}{4})$

DOMAIN: _____ RANGE: _____ X-INTERCEPTS: _____

Y-INTERCEPT: _____ ASYMPTOTES: _____



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

DOMAIN: _____ RANGE: _____ X-INTERCEPTS: _____

Y-INTERCEPT: _____ ASYMPTOTES: _____

SKETCH

