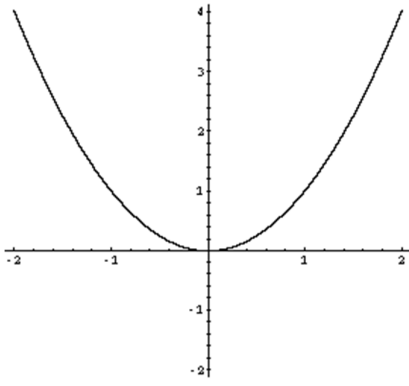
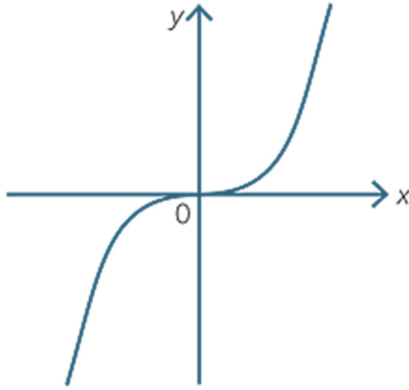


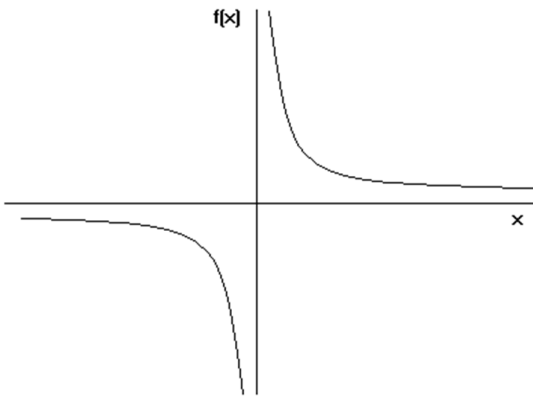
Special Graphs



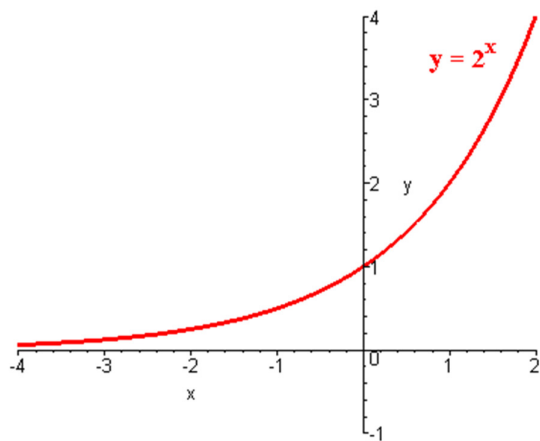
$$y = x^2$$



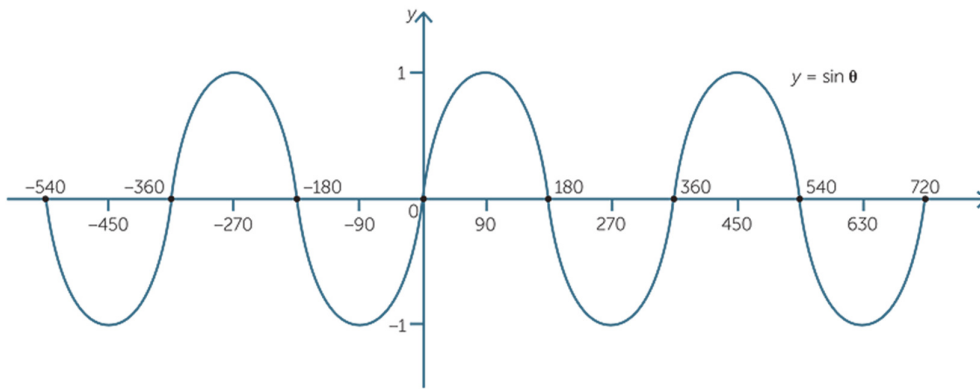
$$y = x^3$$



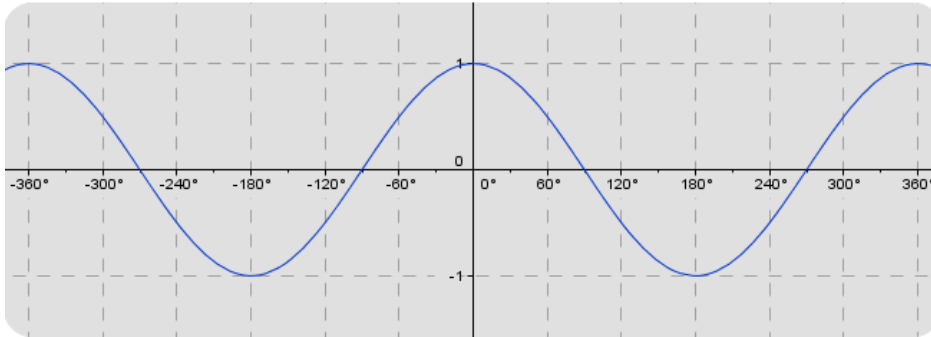
$$y = \frac{1}{x}$$



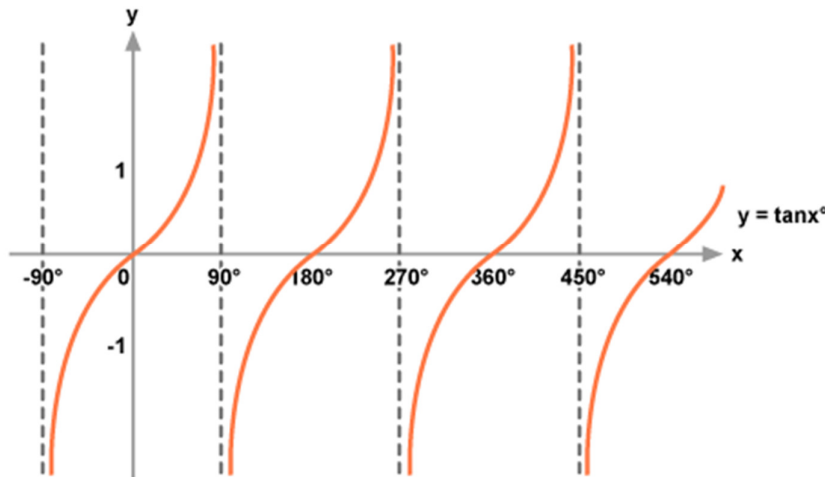
$$y = 2^x$$



$$y = \sin x$$



$$y = \cos x$$



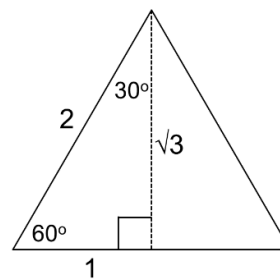
$$y = \tan x$$

Exact Values of Trigonometric Functions

| Angle (θ) Degrees | 0° | 30° | 45° | 60° | 90° |
|-------------------------------|-----------|----------------------|----------------------|----------------------|-------------|
| $\sin(\theta)$ | 0 | $\frac{1}{2}$ | $\frac{\sqrt{2}}{2}$ | $\frac{\sqrt{3}}{2}$ | 1 |
| $\cos(\theta)$ | 1 | $\frac{\sqrt{3}}{2}$ | $\frac{\sqrt{2}}{2}$ | $\frac{1}{2}$ | 0 |
| $\tan(\theta)$ | 0 | $\frac{1}{\sqrt{3}}$ | 1 | $\sqrt{3}$ | Not Defined |

two famous triangles

an equilateral triangle



an isosceles, right-angled triangle

