



10.1

- 1.  $f(x) = \sin(x)$
- 2.  $f(x) = \cos(x)$
- 3.  $f(x) = \tan(x)$
- 4.  $f(x) = \cot(x)$
- 5.  $f(x) = \sec(x)$
- 6.  $f(x) = \csc(x)$
- 7.  $f(x) = \sin(2x)$
- 8.  $f(x) = \cos(2x)$
- 9.  $f(x) = \tan(2x)$
- 10.  $f(x) = \cot(2x)$
- 11.  $f(x) = \sec(2x)$
- 12.  $f(x) = \csc(2x)$

- 13.  $f(x) = \sin(x) + \cos(x)$
- 14.  $f(x) = \sin(x) - \cos(x)$
- 15.  $f(x) = \sin(x)\cos(x)$  (A)
- 16.  $f(x) = \sin^2(x)$
- 17.  $f(x) = \cos^2(x)$
- 18.  $f(x) = \sin^2(x) + \cos^2(x)$
- 19.  $f(x) = \sin^2(x) - \cos^2(x)$
- 20.  $f(x) = \sin(2x) + \cos(2x)$
- 21.  $f(x) = \sin(2x) - \cos(2x)$
- 22.  $f(x) = \sin(2x)\cos(2x)$

- 23.  $f(x) = \sin(x) + \sin(2x) + \sin(3x)$
- 24.  $f(x) = \cos(x) + \cos(2x) + \cos(3x)$
- 25.  $f(x) = \sin(x)\cos(x)\cos(2x)$
- 26.  $f(x) = \sin(x)\cos(x)\sin(2x)$
- 27.  $f(x) = \sin(x)\cos(x)\sin(2x)\cos(2x)$
- 28.  $f(x) = \sin(x)\cos(x)\sin(2x)\cos(2x)\sin(3x)$
- 29.  $f(x) = \sin(x)\cos(x)\sin(2x)\cos(2x)\cos(3x)$

- 30.  $f(x) = \sin(x) + \sin(2x) + \sin(3x) + \sin(4x)$
- 31.  $f(x) = \cos(x) + \cos(2x) + \cos(3x) + \cos(4x)$
- 32.  $f(x) = \sin(x)\cos(x)\cos(2x)\cos(3x)$
- 33.  $f(x) = \sin(x)\cos(x)\sin(2x)\sin(3x)$

- 34.  $f(x) = \sin(x) + \sin(2x) + \sin(3x) + \sin(4x) + \sin(5x)$
- 35.  $f(x) = \cos(x) + \cos(2x) + \cos(3x) + \cos(4x) + \cos(5x)$
- 36.  $f(x) = \sin(x)\cos(x)\cos(2x)\cos(3x)\cos(4x)$
- 37.  $f(x) = \sin(x)\cos(x)\sin(2x)\sin(3x)\sin(4x)$

## Chloroform

- Freshly distilled from calcium hydroxide, stored in dark glass bottles
- $\text{CHCl}_3$  (MW: 119.38)

## Chloroform A

- $\text{CHCl}_3$  (MW: 119.38)
- Distilled from calcium hydroxide, stored in dark glass bottles
- $\text{CHCl}_3$  (MW: 119.38)
- Molecular weight: 119.38
- Boiling point: 61.2 °C (at 101.3 kPa)
- Density: 1.4825 g/cm<sup>3</sup> (at 20 °C)
- Vapor pressure: 293 mmHg (at 20 °C)
- Refractive index: 1.4736 (at 20 °C)
- Flash point: 11 °C
- Solubility: 0.8 g/100 mL (at 20 °C)

## Chloroform B

- $\text{CHCl}_3$  (MW: 119.38)
- Distilled from calcium hydroxide, stored in dark glass bottles
- $\text{CHCl}_3$  (MW: 119.38)
- Molecular weight: 119.38
- Boiling point: 61.2 °C (at 101.3 kPa)
- Density: 1.4825 g/cm<sup>3</sup> (at 20 °C)
- Vapor pressure: 293 mmHg (at 20 °C)
- Refractive index: 1.4736 (at 20 °C)
- Flash point: 11 °C
- Solubility: 0.8 g/100 mL (at 20 °C)

## Chloroform C

- Chloroform C is a mixture of  $\text{CHCl}_3$  and  $\text{CH}_2\text{Cl}_2$  (MW: 112.92)
- $\text{CHCl}_3$  (MW: 119.38)

## Chloroform D

- $\text{CHCl}_3$  (MW: 119.38)
- $\text{CHCl}_3$  (MW: 119.38)
- $\text{CHCl}_3$  (MW: 119.38)



