Samples **Trigonometric functions**

1. On a set of axes sketch the graphs of $y = \cos x$ and $y_1 = \cos \dfrac{x}{2}$ for $x \in [-2\pi, 2\pi]$.

2. On a set of axes sketch the graphs of $y = \cos x$ and $y_1 = \cos(-2x)$ for $x \in [-2\pi, 2\pi]$.

3. On a set of axes sketch the graphs of $y = \sin x$ and $y_1 = \sin(-2x)$ for $x \in [-2\pi, 2\pi]$.

4. On a set of axes sketch the graphs of $y = \sin x$ and $y_1 = \sin(-x)$ for $x \in [-2\pi, 2\pi]$.

5. On a set of axes sketch the graphs of $y = \cos x$ and $y_1 = 2\cos x$ for $x \in [-2\pi, 2\pi]$.

6. On a set of axes sketch the graphs of $y = \sin x$ and $y_1 = \dfrac{1}{2}\sin x$ for $x \in [-2\pi, 2\pi]$.

7. On a set of axes sketch the graphs of $y = \cos x$ and $y_1 = 2\cos(2x)$ for $x \in [-2\pi, 2\pi]$.

8. On a set of axes sketch the graphs of $y = \cos x$ and $y_1 = 2\cos \dfrac{x}{2}$ for $x \in [-2\pi, 2\pi]$.

9. On a set of axes sketch the graphs of $y = \cos x$ and $y_1 = \cos(-x)$ for $x \in [-2\pi, 2\pi]$.

10. On a set of axes sketch the graphs of $y = \cos x$ and $y_1 = \cos \dfrac{x}{2}$ for $x \in [-2\pi, 2\pi]$.