

Name: _____

Level 2 Further Maths

Trigonometric Ratios



Corbettmaths

Ensure you have: Pencil or pen

Guidance

1. Read each question carefully before you begin answering it.
2. Check your answers seem right.
3. Always show your workings

Revision for this topic

www.corbettmaths.com/more/further-maths/



1. Angle θ is obtuse and $\sin\theta = \frac{4}{5}$

Work out the value of $\cos\theta$

.....
(4)

2. Angle θ is obtuse and $\cos\theta = -\frac{12}{13}$

Work out the value of $\sin\theta$

.....
(4)

3. Angle θ is obtuse and $\sin\theta = \frac{\sqrt{33}}{7}$

Work out the value of $\cos\theta$

.....
(4)

4. Angle θ is obtuse and $\cos\theta = -\frac{3\sqrt{5}}{9}$

Work out the value of $\sin\theta$

.....
(4)

5. Given that $\sin\theta = \frac{15}{17}$

Work out the **two** possible values of $\cos\theta$

.....
(3)

6. Angle θ is reflex and $\cos\theta = \frac{40}{41}$

Work out the value of $\sin\theta$

.....
(4)

7. Angle θ is reflex and $\cos\theta = \frac{3}{4}$

(a) Work out the value of $\sin\theta$

.....
(3)

(b) Work out the value of $\tan\theta$

.....
(2)

8. Given $\tan\theta = -\frac{7}{24}$ and θ is reflex

(a) Work out the value of $\sin\theta$

.....
(2)

(b) Work out the value of $\cos\theta$

.....
(2)

9. Given $\tan\theta = \frac{3}{2}$ and θ is reflex

(a) Work out the value of $\sin\theta$

.....
(2)

(b) Work out the value of $\cos\theta$

.....
(2)