

Essential Skills 12

The skills in this series of worksheets appear frequently.

These are the GIFTS you must take to succeed

Related Angles (Non-Calculator)

Evaluate the exact value in each:

1. $\sin 150^\circ$

2. $\tan 240^\circ$

3. $\cos 315^\circ$

4. $\tan 135^\circ$

5. $\sin 210^\circ$

6. $\cos 330^\circ$

7. $\cos 225^\circ$

8. $\tan 300^\circ$

9. $\sin 240^\circ$

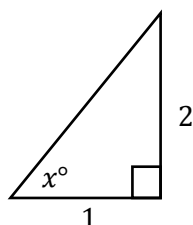
10. $\tan 120^\circ - \sin 330^\circ$



APPLYING QUESTIONS



1.

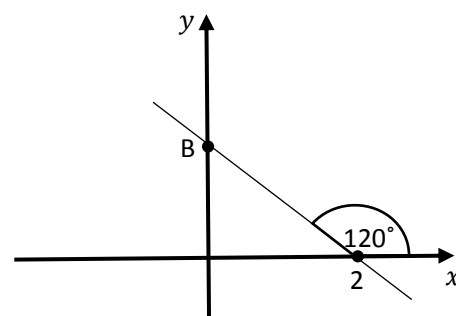


Find the exact value of $\cos(x - \frac{2\pi}{3})$

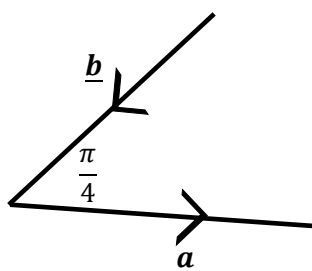
2.

(a) Determine the equation of the line shown.

(b) Hence, write down the coordinates of B.



3.



Given that $|\underline{a}| = 3$ and $|\underline{b}| = 2\sqrt{2}$,

Calculate $\underline{a} \cdot \underline{b}$