A2.A.66: Determining Trigonometric Functions: Determine the trigonometric functions of any angle, using technology

1 The value of $\cos 305°$ is
1) 0.5736
2) 0.8192
3) –0.8192
4) –0.5736

2 The value of $\tan 126°43'$ to the *nearest ten-thousandth* is
1) –1.3407
2) –1.3408
3) –1.3548
4) –1.3549

3 The value of $\csc 138°23'$ rounded to four decimal places is
1) –1.3376
2) –1.3408
3) 1.5012
4) 1.5057

4 Which expression, when rounded to three decimal places, is equal to –1.155?
1) $\sec\left(\frac{5\pi}{6}\right)$
2) $\tan(49°20')$
3) $\sin\left(-\frac{3\pi}{5}\right)$
4) $\csc(-118°)$

5 Find the value of $\cos 32°32'$ to *four decimal places*.

6 Find the value of $\sin 37°34'$ to *four decimal places*.

7 Find $\tan 27°13'$ to *four decimal places*.

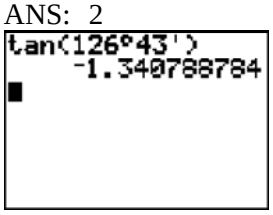
8 Find the value of $\tan 31°27'$ to *four decimal places*.

9 Find the value of $\tan 27°26'$ to *four decimal places*.

A2.A.66: Determining Trigonometric Functions: Determine the trigonometric functions of any angle, using technology
Answer Section

1 ANS: 1 REF: 088621siii

2 ANS: 2



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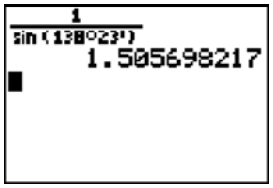
3 ANS: 4



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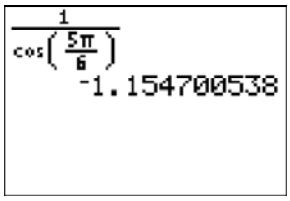
4 ANS: 1



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5 ANS:
0.8431

REF: 068616siii

6 ANS:
0.6097

REF: 068908siii

7 ANS:
0.5143

REF: 088516siii

8 ANS:
0.6116

REF: 018716siii

9 ANS:
0.5191

REF: 068815siii