

**F.TF.A.2: Determining Trigonometric Functions 5**

- 1 What is  $\cos 68^\circ 20'$ ?  
1) 0.9315 2) 0.9293 3) 0.3638 4) 0.3692
  
- 2 Find the value of  $\cos 27^\circ 26'$  to *four decimal places*.
  
- 3 Find the value of  $\cos 32^\circ 32'$  to *four decimal places*.
  
- 4 Find the value of  $\sin 37^\circ 34'$  to *four decimal places*.
  
- 5 Find the value of  $\sin 65^\circ 23'$  to *four decimal places*.
  
- 6 The value of  $\tan 126^\circ 43'$  to the *nearest ten-thousandth* is  
1) -1.3407 2) -1.3408 3) -1.3548 4) -1.3549
  
- 7 Find  $\tan 27^\circ 13'$  to *four decimal places*.
  
- 8 Find the value of  $\tan 31^\circ 27'$  to *four decimal places*.
  
- 9 Find the value of  $\tan 27^\circ 26'$  to *four decimal places*.
  
- 10 The value of  $\csc 138^\circ 23'$  rounded to four decimal places is  
1) -1.3376 2) -1.3408 3) 1.5012 4) 1.5057
  
- 11 Which expression, when rounded to three decimal places, is equal to -1.155?  
1)  $\sec\left(\frac{5\pi}{6}\right)$  2)  $\tan(49^\circ 20')$  3)  $\sin\left(-\frac{3\pi}{5}\right)$  4)  $\csc(-118^\circ)$

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**Answer Section**

- 1 ANS: 4                    REF: 019130siii
- 2 ANS:  
0.8875
- REF: 018104siii
- 3 ANS:  
0.8431
- REF: 068616siii
- 4 ANS:  
0.6097
- REF: 068908siii
- 5 ANS:  
0.9091
- REF: 018211siii
- 6 ANS: 2                    REF: 061115a2
- 7 ANS:  
0.5143
- REF: 088516siii
- 8 ANS:  
0.6116
- REF: 018716siii
- 9 ANS:  
0.5191
- REF: 068815siii
- 10 ANS: 4                    REF: 061217a2
- 11 ANS: 1                    REF: 011203a2