



Inverse Trigonometric Ratios

Name _____

Score _____

QR:18

Find the measure of each angle θ to its nearest degree.

1) $\cos \theta = 0.9962$

2) $\tan \theta = 0.3249$

3) $\tan \theta = 0.8098$

4) $\sin \theta = 0.6561$

5) $\sin \theta = 0.9397$

6) $\cos \theta = 0.5736$

Find the measure of each angle to its nearest degree.

1) $\cos C = 0.6018$

2) $\tan Q = 0.2493$

3) $\sin V = 0.1045$

4) $\cos D = 0.9976$

5) $\tan M = 28.6363$

6) $\sin Y = 0.9744$



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Answer key

QR:18

Find the measure of each angle θ to its nearest degree.

1) $\cos \theta = 0.9962$

5°

2) $\tan \theta = 0.3249$

18°

3) $\tan \theta = 0.8098$

39°

4) $\sin \theta = 0.6561$

41°

5) $\sin \theta = 0.9397$

70°

6) $\cos \theta = 0.5736$

55°

Find the measure of each angle to its nearest degree.

1) $\cos C = 0.6018$

53°

2) $\tan Q = 0.2493$

14°

3) $\sin V = 0.1045$

6°

4) $\cos D = 0.9976$

4°

5) $\tan M = 28.6363$

88°

6) $\sin Y = 0.9744$

77°