



Inverse Trigonometric Ratios

Name _____

Score _____

QR:17

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

1) $\sin \theta = 0.9063$

2) $\cos \theta = 0.7431$

3) $\cos \theta = 0.9903$

4) $\tan \theta = 5.6713$

5) $\tan \theta = 0.2349$

6) $\sin \theta = 0.4384$

Find the measure of each angle to its nearest degree.

1) $\tan X = 0.2309$

2) $\sin A = 0.1219$

3) $\cos F = 0.9877$

4) $\tan P = 3.4874$

5) $\sin L = 0.3584$

6) $\cos N = 0.8387$



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Answer key

QR:17

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

1) $\sin \theta = 0.9063$

65°

2) $\cos \theta = 0.7431$

42°

3) $\cos \theta = 0.9903$

8°

4) $\tan \theta = 5.6713$

80°

5) $\tan \theta = 0.2349$

13°

6) $\sin \theta = 0.4384$

26°

Find the measure of each angle to its nearest degree.

1) $\tan X = 0.2309$

13°

2) $\sin A = 0.1219$

7°

3) $\cos F = 0.9877$

9°

4) $\tan P = 3.4874$

74°

5) $\sin L = 0.3584$

21°

6) $\cos N = 0.8387$

33°