Inverse Trigonometric Ratios

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

1) tan θ = 0.4245

2) sin θ = 0.9781

_____

_____

3) sin θ = 0.8290

4) cos θ = 0.9563

_____

_____

5) cos θ = 0.1736

6) tan θ = 0.1763

_____

_____

Find the measure of each angle to its nearest degree.

1) sin B = 0.7071

2) cos Z = 0.4067

_____

_____

3) tan K = 7.1154

4) sin U = 0.2079

_____

_____

5) cos S = 0.7986

6) tan E = 1.1918

_____

_____

Inverse Trigonometric Ratios

Answer key

QR:16

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

1)   tan θ = 0.4245

23⁰
_____

2)   sin θ = 0.9781

78⁰
_____

3)   sin θ = 0.8290

56⁰
_____

4)   cos θ = 0.9563

17⁰
_____

5)   cos θ = 0.1736

80⁰
_____

6)   tan θ = 0.1763

10⁰
_____

Find the measure of each angle to its nearest degree.

1)   sin B = 0.7071

45⁰
_____

2)   cos Z = 0.4067

66⁰
_____

3)   tan K = 7.1154

82⁰
_____

4)   sin U = 0.2079

12⁰
_____

5)   cos S = 0.7986

37⁰
_____

6)   tan E = 1.1918

50⁰
_____