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SOLVING TRIGONOMETRIC EQUATIONS 1

Solve the following equations for $0^\circ \leq \theta \leq 360^\circ$.

State answers in ascending order and correct to 1 d.p. where appropriate.

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|-----|-----------------------------|------------|------------|
| 1. | $\sin \theta = \frac{1}{3}$ | $\theta =$ | $\theta =$ |
| 2. | $\cos \theta = 0.507$ | $\theta =$ | $\theta =$ |
| 3. | $\tan \theta = 1.15$ | $\theta =$ | $\theta =$ |
| 4. | $\cos \theta = -0.15$ | $\theta =$ | $\theta =$ |
| 5. | $\sin \theta = -0.25$ | $\theta =$ | $\theta =$ |
| 6. | $\tan \theta = -0.75$ | $\theta =$ | $\theta =$ |
| 7. | $\sin \theta = -0.1178$ | $\theta =$ | $\theta =$ |
| 8. | $\sin \theta = -0.55$ | $\theta =$ | $\theta =$ |
| 9. | $\cos \theta = 0.23$ | $\theta =$ | $\theta =$ |
| 10. | $\tan \theta = -1.07$ | $\theta =$ | $\theta =$ |