Six Trigonometric Ratios

Find the exact values of six trigonometric ratios for the mentioned angle.

1) ∠X



$$\sin X = \frac{3}{5}$$

$$\csc X = \frac{5}{3}$$

$$\cos X = \frac{4}{5}$$

$$\sec x = \frac{5}{4}$$

$$\tan X = \frac{3}{4}$$

$$\cot X = \frac{4}{3}$$

2) ∠Q



$$\sin Q = \frac{2\sqrt{2}}{3}$$

$$csc Q = \frac{3\sqrt{2}}{4}$$

$$\cos Q = \frac{1}{3}$$

$$\cot Q = \frac{\sqrt{2}}{4}$$

3) ∠K



$$\sin K = \frac{21}{29}$$

$$csc K = \frac{29}{21}$$

$$\cos K = \frac{20}{29}$$

$$\sec K = \frac{29}{20}$$

$$\tan K = \frac{21}{20}$$

$$\cot K = \frac{20}{21}$$

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L Reisser

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