

Name : \_\_\_\_\_

## Six Trigonometric Ratios

Use the given point on the terminal side of an angle  $\theta$  in standard position to find the exact values of six trigonometric ratios.

$\sin \theta =$  \_\_\_\_\_  $\operatorname{cosec} \theta =$  \_\_\_\_\_

1) (40, 9)

$\cos \theta =$  \_\_\_\_\_  $\sec \theta =$  \_\_\_\_\_

$\tan \theta =$  \_\_\_\_\_  $\cot \theta =$  \_\_\_\_\_

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2) (-20, 21)

3) (-6, -18)

$\sin \theta =$  \_\_\_\_\_  $\operatorname{cosec} \theta =$  \_\_\_\_\_

4) (4, -3)

$\cos \theta =$  \_\_\_\_\_  $\sec \theta =$  \_\_\_\_\_

$\tan \theta =$  \_\_\_\_\_  $\cot \theta =$  \_\_\_\_\_