

Solve by changing to the same base or by using log properties.

1.  $4^{x+28} = 64^{5x}$

2.  $7^{3x} = 19$

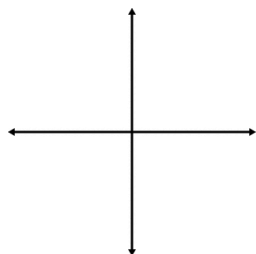
3.  $\log_8(5x - 8) = 3$

4. Joe invested \$25,000 at a 4% interest rate, compounded continuously.

a. How much will he have after 5 years?

b. When will he have \$40,000?

5. Given  $-\frac{7\pi}{3}$



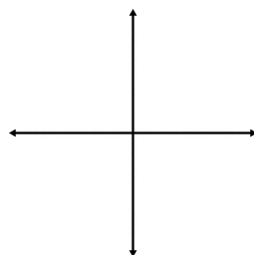
a. Name a positive co-terminal angle:

b. Name a negative co-terminal angle:

c. Name the reference angle:

6. Given the ordered pair, find the value of the 6 trig functions:

$(-24, 7)$



$\sin\theta =$

$\csc\theta =$

$\cos\theta =$

$\sec\theta =$

$\tan\theta =$

$\cot\theta =$

