

Name _____

MORE "Are You Ready For Calculus" Worksheet

By popular demand, here are some more questions for Pre-Calc review...

1) Simplify: $2 - x^{-2} + 5x^{-1}$

2) Simplify $\sqrt{75a^9b^8}$

3) Solve for x: $\log_2 x = 4$

4) Factor: $343x^6 + 64$

5) Find the exact value:

a. $\sin 240$

b. $\tan 310$

c. $\sin^{-1}\left(\frac{1}{2}\right)$

d. $\tan^{-1}\left(\frac{1}{\sqrt{3}}\right)$

6) Find the remainder using synthetic division:

$$x^4 + 6x^2 - 14x - 8 \div x - 5$$

7) Write the equation of the line passing through (-5,6) and (4,-3)

8) Simplify $\frac{f(x+h) - f(x)}{h}$ when $f(x) = 5x - 4$

9) Solve for A: $AB - 2C = 4(3AB - 6CD)$

10) Find the inverse of $f(x) = 2x + 7$