**Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

13-7 Graphing Trig. Functions Practice

**Date\_\_\_\_\_\_\_\_\_\_\_\_Block\_\_\_\_**

**1-12: Graph each trigonometric function. State its domain, range, period, and amplitude (if applicable)**.

**1.** y = sin 2x **2.** y = 2 sin 3x

D:\_\_\_\_\_\_\_\_\_\_R:\_\_\_\_\_\_\_\_\_\_P:\_\_\_\_\_A:\_\_\_\_\_ D:\_\_\_\_\_\_\_\_\_\_R:\_\_\_\_\_\_\_\_\_\_P:\_\_\_\_\_A:\_\_\_\_\_

**3.** y = -2 sin 2x **4.** y = 2 cos x

D:\_\_\_\_\_\_\_\_\_\_R:\_\_\_\_\_\_\_\_\_\_P:\_\_\_\_\_A:\_\_\_\_\_ D:\_\_\_\_\_\_\_\_\_\_R:\_\_\_\_\_\_\_\_\_\_P:\_\_\_\_\_A:\_\_\_\_\_

**5.** y = cos 2x **6.** y = -4sin

D:\_\_\_\_\_\_\_\_\_\_R:\_\_\_\_\_\_\_\_\_\_P:\_\_\_\_\_A:\_\_\_\_\_ D:\_\_\_\_\_\_\_\_\_\_R:\_\_\_\_\_\_\_\_\_\_P:\_\_\_\_\_A:\_\_\_\_\_

**7.** y = cos  **8.** y = 

D:\_\_\_\_\_\_\_\_\_\_R:\_\_\_\_\_\_\_\_\_\_P:\_\_\_\_\_A:\_\_\_\_\_ D:\_\_\_\_\_\_\_\_\_\_R:\_\_\_\_\_\_\_\_\_\_P:\_\_\_\_\_A:\_\_\_\_\_

**9.** y = tan 2x **10.** y = tan 3

D:\_\_\_\_\_\_\_\_\_\_R:\_\_\_\_\_\_\_\_\_\_P:\_\_\_\_\_ D:\_\_\_\_\_\_\_\_\_\_R:\_\_\_\_\_\_\_\_\_\_P:\_\_\_\_\_

**11.** y = 2tan****  **12.** y = 

D:\_\_\_\_\_\_\_\_\_\_R:\_\_\_\_\_\_\_\_\_\_P:\_\_\_\_\_ D:\_\_\_\_\_\_\_\_\_\_R:\_\_\_\_\_\_\_\_\_\_P:\_\_\_\_\_

**360

-360

3

3

13-16: Write the equation of each trig function and state its domain, range, period, and amplitude.**

3

-3







**13.** **14.**

-3

Equation:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Equation:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

D:\_\_\_\_\_\_\_\_\_\_\_\_\_\_R:\_\_\_\_\_\_\_\_\_\_\_\_\_\_ D:\_\_\_\_\_\_\_\_\_\_\_\_\_\_R:\_\_\_\_\_\_\_\_\_\_\_\_\_\_

P:\_\_\_\_\_\_\_\_\_\_\_\_\_\_A:\_\_\_\_\_\_\_\_\_\_\_\_\_\_ P:\_\_\_\_\_\_\_\_\_\_\_\_\_\_A:\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**3

-3





-3





3**

**15.** **16.**

Equation:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Equation:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

D:\_\_\_\_\_\_\_\_\_\_\_\_\_\_R:\_\_\_\_\_\_\_\_\_\_\_\_\_\_ D:\_\_\_\_\_\_\_\_\_\_\_\_\_\_R:\_\_\_\_\_\_\_\_\_\_\_\_\_\_

P:\_\_\_\_\_\_\_\_\_\_\_\_\_\_A:\_\_\_\_\_\_\_\_\_\_\_\_\_\_ P:\_\_\_\_\_\_\_\_\_\_\_\_\_\_A:\_\_\_\_\_\_\_\_\_\_\_\_\_\_