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| **Piecewise Functions WS #1** | **Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_****Date \_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_ Row \_\_\_\_\_\_\_** |
| **Graph the following:** |
| $$1. f\left(x\right)=x+1 $$$$ for x>0$$ | **2.** $f\left(x\right)=-x $$$ for -3<x\leq 0$$ | **3.** $f\left(x\right)=2x $$$ for-1<x<2$$ | **4.** $f\left(x\right)=-x+3$$for x<1$ |
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| **5.** $f\left(x\right)=3$$for -4<x<-1$ | **6.** $f\left(x\right)=4-2x $$$ for x>0$$ | **7.** $f\left(x\right)=-1-x $$$ for -4<x\leq 2$$ | **8.** $f\left(x\right)=6-3x $$$ for x<4$$ |
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| **9.** $g\left(x\right)=-2 $$$ for x>-1$$ | **10.** $h\left(x\right)=5-x $$$ for 1<x<3$$ | **11.** $f\left(x\right)=\frac{1}{2}x-3 $$$ for -2<x\leq 4$$ | **12.** $g\left(x\right)=\frac{3}{2}x-1 $$for 0\leq x<2$ |
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| **13.** $h\left(x\right)=\frac{4}{3}x-2 $$$ for x>3$$ | **14.** $f\left(x\right)=3x-2 $$$ for x<2$$ | **15.** $g\left(x\right)=4 $$$ for -2<x\leq 3$$ | **16.** $f\left(x\right)=\frac{1}{4}x+2 $$$ for-4<x<4$$ |
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