Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period\_\_\_\_\_

7.1 – Graphing Absolute Value Equations

1. $f\left(x\right)=\left|4x\right|$

|  |  |  |
| --- | --- | --- |
| $$x$$ | $$f\left(x\right)=\left|4x\right|$$ | $$y$$ |
| $$-2$$ |  |  |
| $$-1$$ |  |  |
| $$0$$ |  |  |
| $$1$$ |  |  |
| $$2$$ |  |  |

2. $f\left(x\right)=\left|-3x\right|$

|  |  |  |
| --- | --- | --- |
| $$x$$ | $$f\left(x\right)=\left|-3x\right|$$ | $$y$$ |
| $$-2$$ |  |  |
| $$-1$$ |  |  |
| $$0$$ |  |  |
| $$1$$ |  |  |
| $$2$$ |  |  |

3. $f\left(x\right)=\left|x+6\right|$



|  |  |  |
| --- | --- | --- |
| $$x$$ | $$f\left(x\right)=\left|x+6\right|$$ | $$y$$ |
| $$-8$$ |  |  |
| $$-7$$ |  |  |
| $$-6$$ |  |  |
| $$-5$$ |  |  |
| $$-4$$ |  |  |

4. $f\left(x\right)=\left|3x+6\right|$

|  |  |  |
| --- | --- | --- |
| $$x$$ | $$f\left(x\right)=\left|3x+6\right|$$ | $$y$$ |
| $$-5$$ |  |  |
| $$-4$$ |  |  |
| $$-3$$ |  |  |
| $$-2$$ |  |  |
| $$-1$$ |  |  |
| $$0$$ |  |  |
| $$1$$ |  |  |



5. $f\left(x\right)=\left|x-5\right|$

|  |  |  |
| --- | --- | --- |
| $$x$$ | $$f\left(x\right)=\left|x-5\right|$$ | $$y$$ |
| $$2$$ |  |  |
| $$3$$ |  |  |
| $$4$$ |  |  |
| $$5$$ |  |  |
| $$6$$ |  |  |
| $$7$$ |  |  |
| $$8$$ |  |  |



6. $f\left(x\right)=\left|4x-8\right|$

|  |  |  |
| --- | --- | --- |
| $$x$$ | $$f\left(x\right)=\left|4x-8\right|$$ | $$y$$ |
| $$-1$$ |  |  |
| $$0$$ |  |  |
| $$1$$ |  |  |
| $$2$$ |  |  |
| $$3$$ |  |  |
| $$4$$ |  |  |
| $$5$$ |  |  |

