## Vertical Bar Examples with SimBraille

1. Absolute value of negative five is written
|-5|
:: :. : : :
2. Three plus the absolute value of $x$ is written $3+|x|$
: :: ::::\%::
3. Open absolute value three $\times$ minus six close absolute value is written
$|3 x-6|$
: : : : :. : : : :
4. The magnitude of vector $v$ is written
$|v|$
:::::
5. The "norm of $f$ " which is $f$ enclosed by double vertical lines is written
$\|f\|$
: :: : : : : :
6. W representing work equals the length of the force vector $F$ times the length of the displacement vector $D$ times the cosine of angle A between the two vectors is written $W=|F||D| \cos A$
: : : : : : : : : : : : : : : : : : : : : : :
7. The set of all $x$ such that $x$ is not equal to zero is written
$\{x \mid x \neq 0\}$
: :: :\%:: : : : : : : : : : : : :
8. The set of all $x$ such that $x$ is less than two is written
$\{x \mid x<2\}$
: :: : : : : : : : : : : : : : :
9. $a$ divides $b$ is written
$a \mid b$
:: : :
