

AAU - Business Math I (MTH 111) - Spring 2010

1. Solve each equation:

(a) $|6m| = 42$

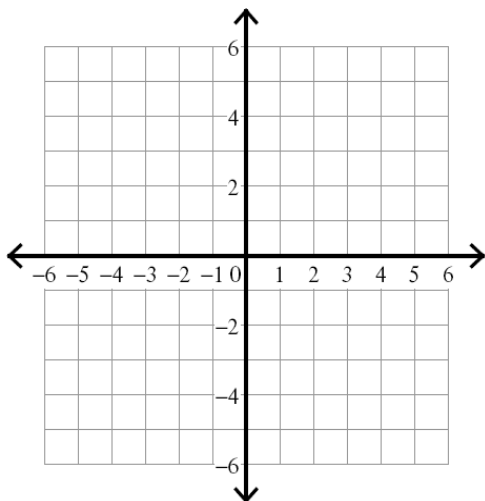
(b) $|\frac{x}{7}| = 3$

(c) $|n| + 1 = 2$

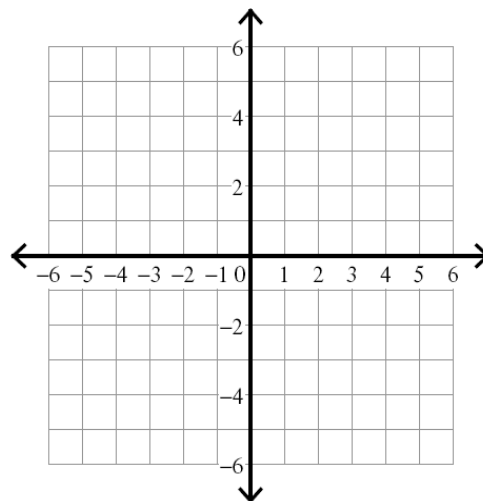
(d) $|7 + p| = 7$

2. Graph each equation:

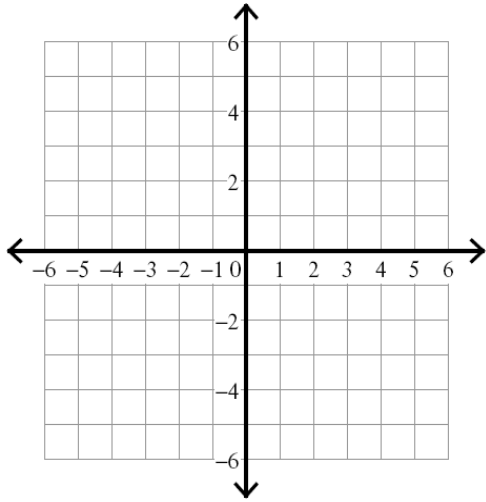
(a) $y = |x - 1|$



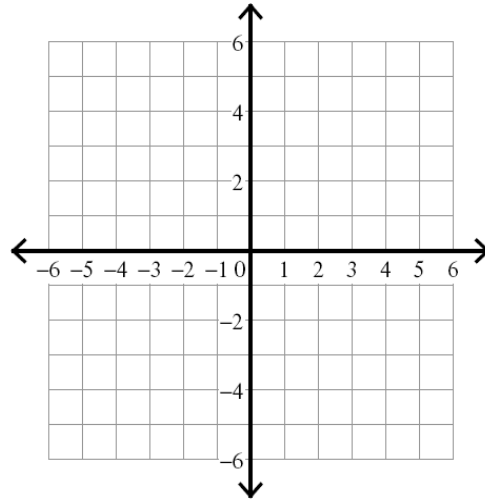
(b) $y = |x - 1| - 2$



(c) $y = -|x - 4|$



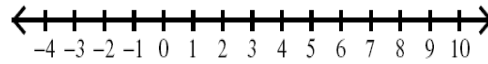
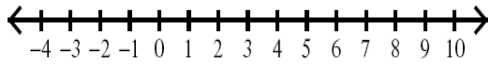
(d) $y = -|x + 1| - 1$



3. Solve each inequality and graph its solution:

(a) $|-5p| > 20$

(b) $|1 + x| \leq 8$



(c) $|a| - 1 \geq 6$

(d) $-3|x| < -18$

