

Solve each system of equations (Find where they intersect)

1.  $y = 8 + 3x$      $y = -2 + x$

2.  $y = -4x - 2$      $y = -2x + 1$

3.  $y = 6 - 3x$      $y = -4 + x$

4.  $y = x - 2$      $y = -x - 4$

5. There are two businesses that offer internet access. Surf City charges \$4 per day plus \$0.20 per minute. Byte to Eat Café charges \$3 per day plus \$0.25 per minute. After how many minutes will their daily charge be the same?

6. Charter-boat fishing for walleyes is popular on Lake Erie. The charges for an eight-hour charter trip for 2 companies are the following: Wally's charges \$25 per person with a boat rental of \$250. Pike's charges \$50 per person with a \$50 boat rental. After how many weeks will their costs be the same?