

Math 1324
Section 1.3
Systems of Linear Equations

The videos corresponding to this worksheet can be found at
<https://online.math.uh.edu/Math1324/>.

UH students can also view the videos within the Math 1324 textbook.

Example 1: Find the point of intersection of the following lines.

$$x = 32 + y$$

$$3x = 8y + 6$$

Example 2: Find the point of intersection of the following lines.

$$3x - 2y = 10$$

$$-6x + 6y = -10$$

Example 3: Find the point of intersection of the following lines.

$$6x + 2y = 5$$

$$12x + 4y = -3$$

Example 4: Find the point of intersection of the following lines.

$$2x + 8y = -4$$

$$3x + 12y = -6$$

Example 5: Find the point of intersection of the following lines.

$$\frac{2}{3}x + y = \frac{-5}{3}$$

$$x - \frac{1}{3}y = \frac{-13}{3}$$