

Name \_\_\_\_\_

Date \_\_\_\_\_

You need to get at least 3 out of 4 correct in each section to pass MTH 060. Answers are right or wrong. State your answers exactly unless otherwise noted. Circle your final answers.

**No Calculator!**

## — Integer Arithmetic

1.  $-5 + 2$

3.  $(-5)(-2)$

2.  $5 - -2$

4.  $16 \div (-8)$

## — Order of Operations

5.  $9 - 4(2)$

7.  $5(7 - 5) + 2$

6.  $2 + 7(-3)$

8.  $5 - (3 - 7)$

## — Solve

9.  $3x = 27$

11.  $3x = 2x - 6$

10.  $5x - 2 = 25$

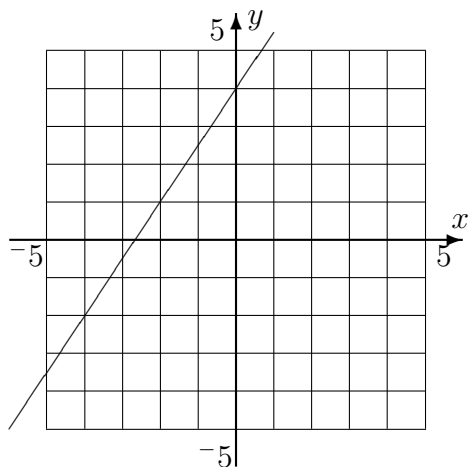
12.  $6x + 5 = 4 - 3x$

## — Linear Equations

13. The x-intercept of the line  $y = 2x - 3$  is \_\_\_\_\_ .14. The equation of the line with slope  $-3$  that passes through the point  $(0, 4)$  is \_\_\_\_\_ .15. Give the equation of the line that passes through the points  $(-1, 2)$  and  $(3, -2)$  in the form  $y = mx + b$ 

\_\_\_\_\_ .

16. State an equation for the line graphed below.



— Solve the following systems

17.  $x + y = 8$   
 $x - y = 2$

Solution \_\_\_\_\_

19.  $x - 3y = 5$   
 $2x - 3 = 2$

Solution \_\_\_\_\_

18.  $2x + y = 3$   
 $x = y + 2$

Solution \_\_\_\_\_

20. Below are graphed two lines. What is the point of intersection?

