

Classwork 8
Intermediate Algebra MTH 35
Topic: Lines



Name: _____

Find the slope and use it to find the equation of the following lines. Write the equation in the form $y = mx + b$.

1. Line with slope 3 and passing through point (5, 2).

ANSWER

2. Line passing through points (2, 0) and (0, 4).

ANSWER

3. Line passing through points (1, 3) and (4, 0).

ANSWER

4. Line parallel to the line $2x - 6y = 3$ and passing through point (0, 0).

ANSWER

5. Line parallel to the line $3x + y + 4 = 0$ and passing through the point $(1, 2)$.

ANSWER

6. Line perpendicular to the line $x + 2y = 3$ and passing through point $(0, 0)$.

ANSWER

7. Line perpendicular to the line $6x - 3y + 7 = 0$ and passing through point $(3, 1)$.

ANSWER

Find the slope, x -intercept, y -intercept and any other point on the following lines.

8. $y = 4x - 5$

Slope x -intercept y -intercept Point

9. $x = 3y - 7$

Slope x -intercept y -intercept Point

10. $7y - 4x = 3$

Slope x -intercept y -intercept Point