

NAME _____ DATE _____ PER. _____

MAKING CONNECTIONS: FINDING X AND Y INTERCEPTS

WITHOUT using your calculator, find the x- and y-intercepts of the following equations:

<p>1. $x + y = 8$</p> <p>x-intercept: _____</p> <p>y-intercept: _____</p>	<p>2. $4x + 6y = 24$</p> <p>x-intercept: _____</p> <p>y-intercept: _____</p>
<p>3. $x + 6y = 8$</p> <p>x-intercept: _____</p> <p>y-intercept: _____</p>	<p>4. $10x + 5y = 40$</p> <p>x-intercept: _____</p> <p>y-intercept: _____</p>
<p>5. $x = 3$</p> <p>x-intercept: _____</p> <p>y-intercept: _____</p>	<p>6. $y = 5$</p> <p>x-intercept: _____</p> <p>y-intercept: _____</p>

Solve for y and use the TABLE in your calculator to find the x & y intercepts.

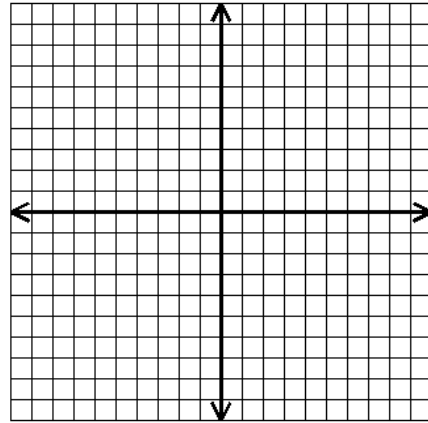
<p>7. $3y = -9x + 6$</p> <p>equation: _____</p> <p>x-intercept: _____</p> <p>y-intercept: _____</p>
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Graph the equation to find the x & y intercepts.

8. $y = 1.5x - 3$

x-intercept: _____

y-intercept: _____



Write the equation.

9. _____

x-intercept of 4 and y-intercept of 5

10. _____

x-intercept of -2 and y-intercept of -4

11. _____

x-intercept of 6 and no y-intercept

12. _____

No x-intercept and y-intercept of -2