BECA / Huson / 11.3 Geometry Name:

October 28, 2016

Do Now Quiz: Linear equations

Open book: **You may use *only* *your own* notebook**

1. You use the slope-intercept formula for a line when you are given the \_\_\_\_\_\_\_\_\_\_\_\_\_ and the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the line.

2. Write down the slope-intercept form of a linear equation:

3. You would use the point-slope formula when you are given the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and a \_\_\_\_\_\_\_\_\_\_\_\_\_\_ on the line.

4. Write down the point-slope form of a linear equation:

5. The ratio “rise over run” can be used to calculate slope when you are given two \_\_\_\_\_\_\_\_\_\_\_ on a line.

6. Given the equation of a line *y*=2*x*+3, name the slope and a point on the line:

Slope = \_\_\_\_\_\_\_\_\_

Point = \_\_\_\_\_\_\_\_\_

7. Given the equation of a line *y*−3 = 4(*x−*1), name the slope and a point on the line:

Slope = \_\_\_\_\_\_\_\_\_

Point = \_\_\_\_\_\_\_\_\_

8. Early finishers: are these two lines parallel, perpendicular, or neither? Justify your answer.

4*x*+2*y* = 6 *x*−2*y* = 4

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1. You would use the point-slope formula when you are given the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and a \_\_\_\_\_\_\_\_\_\_\_\_\_\_ on the line.

2. Write down the point-slope form of a linear equation:

3. You use the slope-intercept formula for a line when you are given the \_\_\_\_\_\_\_\_\_\_\_\_\_ and the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the line.

4. Write down the slope-intercept form of a linear equation:

5. The ratio “rise over run” can be used to calculate slope when you are given two \_\_\_\_\_\_\_\_\_\_\_ on a line.

6. Given the equation of a line *y*=3*x*+1, name the slope and a point on the line:

Slope = \_\_\_\_\_\_\_\_\_

Point = \_\_\_\_\_\_\_\_\_

7. Given the equation of a line *y*−2 = −1(*x−*5), name the slope and a point on the line:

Slope = \_\_\_\_\_\_\_\_\_

Point = \_\_\_\_\_\_\_\_\_

8. Early finishers: are these two lines parallel, perpendicular, or neither? Justify your answer.

4*x*+2*y* = 6 *x*+2*y* = 4

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1. You use the slope-intercept formula for a line when you are given the \_\_\_\_\_\_\_\_\_\_\_\_\_ and the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the line.

2. Write down the slope-intercept form of a linear equation:

3. You would use the point-slope formula when you are given the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and a \_\_\_\_\_\_\_\_\_\_\_\_\_\_ on the line.

4. Write down the point-slope form of a linear equation:

5. The ratio “rise over run” can be used to calculate slope when you are given two \_\_\_\_\_\_\_\_\_\_\_ on a line.

6. Given the equation of a line *y*=2*x*+3, name the slope and a point on the line:

Slope = \_\_\_\_\_\_\_\_\_

Point = \_\_\_\_\_\_\_\_\_

7. Given the equation of a line *y*−2 = 4(*x−*1), name the slope and a point on the line:

Slope = \_\_\_\_\_\_\_\_\_

Point = \_\_\_\_\_\_\_\_\_

8. Early finishers: are these two lines parallel, perpendicular, or neither? Justify your answer.

4*x*+2*y* = 12 *x*−2*y* = 4

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Do Now Quiz: Linear equations

Open book: **You may use *only* *your own* notebook**

1. You would use the point-slope formula when you are given the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and a \_\_\_\_\_\_\_\_\_\_\_\_\_\_ on the line.

2. Write down the point-slope form of a linear equation:

3. You use the slope-intercept formula for a line when you are given the \_\_\_\_\_\_\_\_\_\_\_\_\_ and the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the line.

4. Write down the slope-intercept form of a linear equation:

5. The ratio “rise over run” can be used to calculate slope when you are given two \_\_\_\_\_\_\_\_\_\_\_ on a line.

6. Given the equation of a line *y*=2*x*+5, name the slope and a point on the line:

Slope = \_\_\_\_\_\_\_\_\_

Point = \_\_\_\_\_\_\_\_\_

7. Given the equation of a line *y*−2 = −3(*x−*1), name the slope and a point on the line:

Slope = \_\_\_\_\_\_\_\_\_

Point = \_\_\_\_\_\_\_\_\_

8. Early finishers: are these two lines parallel, perpendicular, or neither? Justify your answer.

2*x*+4*y* = 6 *x*+2*y* = 4