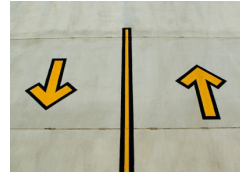


Name:

Ready, Set, Go!



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Ready

Topic: Evaluating equations

Fill out the table of values for the given equations.

1. $y = 17x - 28$

| x | y |
|----|---|
| -3 | |
| 1 | |
| 4 | |
| 5 | |

2. $y = -8x - 3$

| x | y |
|-----|---|
| -10 | |
| -6 | |
| 2 | |
| 9 | |

3. $y = \frac{1}{2}x + 15$

| x | y |
|-----|---|
| -26 | |
| -14 | |
| -1 | |
| 9 | |

4. $y = 6^x$

| x | y |
|----|---|
| -3 | |
| -1 | |
| 1 | |
| 2 | |
| 5 | |

5. $y = 10^x$

| x | y |
|----|---|
| -3 | |
| -1 | |
| 0 | |
| 2 | |
| 6 | |

6. $y = \left(\frac{1}{5}\right)^x$

| x | y |
|----|---|
| -4 | |
| -2 | |
| 0 | |
| 3 | |
| 5 | |



Set

Topic: The 4 forms of a linear equation

8. Below are the 4 forms of the same linear equation. For each equation, do the following
- (a) Circle the rate of change
 - (b) Name the point that describes the y-intercept
 - (c) Name the point that describes the x-intercept

| Slope-intercept | Point-slope | Standard | Recursive formula | (b) | (c) |
|-----------------------------|-------------------------------|----------------|---|-----|-----|
| 8. $y = 3x - 2$ | $y - 13 = 3(x - 5)$ | $3x - y = 2$ | $f(0) = -2$ $f(n) = f(n - 1) + 3$ | | |
| 9. $y = \frac{1}{4}x + 7$ | $y - 5 = \frac{1}{4}(x + 8)$ | $x - 4y = -28$ | $f(0) = 7$ $f(n) = f(n - 1) + \frac{1}{4}$ | | |
| 10. $y = -\frac{2}{3}x + 3$ | $y + 1 = -\frac{2}{3}(x - 6)$ | $2x + 3y = 9$ | $f(0) = 3$ $f(n) = f(n - 1) - \frac{2}{3}$ | | |

Go

Topic: Solving multi-step equations

Solve the following equations

11. $12 + 6x - 4 = 5 + 2(3x - 1)$ 12. $5(2x + 4) = 3(x + 5) - 19$
13. $7 - 3(4x + 2) = 6(2x + 3) - 17$ 14. $2(x + 1) = 6(x - 3)$
15. What does it mean when you have solved an equation?
16. Explain how a linear equation can have more than one solution.

Need Help? Check out these related videos:

Solving equations: <http://www.purplemath.com/modules/solvein4.htm>

Interest: <http://www.khanacademy.org/finance-economics/core-finance/v/introduction-to-interest>

