Slope

Free worksheet · Grades 8–9 · Fix the mistake from our video

Name _____ Date _____

THE MISTAKE Flipping it: slope is rise over run, not run over rise.

THE FIX Slope = (change in y) ÷ (change in x). From (0, 0) to (2, 6): rise 6, run 2, slope = 6 ÷ 2 = 3.

1. Slope through (1, 2) and (3, 8)
2. Slope through (0, 0) and (4, 2)
3. Slope through (−1, 3) and (1, −1)
4. Slope through (2, 5) and (6, 5)
5. Slope through (2, 1) and (5, 7)
6. Slope through (−2, −3) and (2, 5)
7. Slope through (0, 4) and (3, −2)
8. Slope through (1, 1) and (4, 2)
9. Slope through (0, 0) and (2, 6)
10. Slope of $y = 3x - 2$
11. Slope of $y = -x + 5$
12. Slope of $2y = 4x + 6$

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Answer key

1. Slope through (1, 2) and (3, 8) → **3**
2. Slope through (0, 0) and (4, 2) → **1/2**
3. Slope through (−1, 3) and (1, −1) → **−2**
4. Slope through (2, 5) and (6, 5) → **0**
5. Slope through (2, 1) and (5, 7) → **2**
6. Slope through (−2, −3) and (2, 5) → **2**
7. Slope through (0, 4) and (3, −2) → **−2**
8. Slope through (1, 1) and (4, 2) → **1/3**
9. Slope through (0, 0) and (2, 6) → **3**
10. Slope of $y = 3x - 2$ → **3**
11. Slope of $y = -x + 5$ → **−1**
12. Slope of $2y = 4x + 6$ → **2**

Got one wrong? Find the step where it went off track, then redo it. Every mistake you fix is a rep.

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