

**LESSON**  
**23.4****Leveled Problem Solving**  
**Slope**

For use with pages 632–638

**Solve.**

1. Marco is trying to find the slope of a horizontal line. He knows that lines slanting higher than where Marco starts have positive slopes and lines slanting lower have negative slopes. What is the slope of the line?  
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2. Dao graphed the points  $(1, 1)$  and  $(2, 2)$  and drew the line that passes through them. Then he subtracted the  $y$  coordinates,  $2 - 1$ , and divided that by the difference of  $x$  coordinates,  $2 - 1$ . What is the slope of Dao's line?  
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3. Inez drew a line that passes through the points  $(-3, -4)$  and  $(15, -4)$ . What is the slope of this line?  
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4. Scott drew points at  $(2.5, 3)$  and  $(5, 6)$  on a graph and drew a line through them. What is the slope of his line?  
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5. Juanita knows that a line has a slope of 2 and passes through  $(2, 5)$ . She wants to draw a star at the point where this line will have an  $x$ -coordinate of 5. What will the  $y$ -coordinate of that point be?  
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6. Carol drew a line that passes through  $(1, 4)$  and  $(3, 3)$ . Chung drew a line through  $(1, 3)$  and  $(4, 4)$ . Ramon drew a line through  $(2, -5)$  and  $(6, -6)$ . Whose line had the greatest slope?  
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