Sec 6-5: Parallel and Perpendicular Lines

2 lines are Parallel if they have:

- The same slope, but
- Different y-intecepts

3.
$$y = 4x - 1 \qquad m = 4$$

$$y = -2x + 15$$

$$8y + 3y = 45 - 6x$$

$$y = 15 - 2x$$

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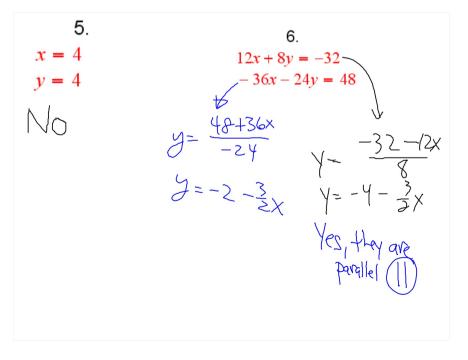
$$y = 16 - 2x$$

$$y = 16 - 3x$$

1. y = 4x - 5 m = 4 y = -3x + 7 y = 5 + 4x m = 4 y = 3x - 2

Tell if each pair of lines is parallel or not.

Yes No



7.  

$$y = 8x$$

$$8x + 2y = 10$$

$$y = \frac{10 - 8x}{2}$$

$$4 = 5 - 4x$$