

G. Tentukan sama ada pasangan garis lurus berikut adalah selari atau tidak.

**CONTOH**

$y = 3x + 5$  dan  $6x - 2y = 9$

Bandingkan kecerunan kedua-dua persamaan.

$y = 3x + 5$   
 $\uparrow$   
 $m = 3$

$6x - 2y = 9$   
 $-2y = -6x + 9$   
 $y = \frac{-6x}{-2} + \frac{9}{-2}$   
 $y = 3x - \frac{9}{2}$   
 $\uparrow$   
 $m = 3$

Kecerunan kedua-dua garis lurus adalah sama.  
 Maka,  $y = 3x + 5$  adalah selari dengan  $6x - 2y = 9$ .

1.  $y = -2x - 7$  dan  $4x + 2y = 9$

$\downarrow$   
 $m = \square$

$4x + 2y = 9$

$2y = \square + 9$

$\frac{2y}{\square} = \frac{-4x}{\square} + \frac{9}{\square}$

Selari  $\square$   $y = \square x + \frac{9}{2}$

tidak selari  $\square$   $m = \square$

2.  $-3y = -6x - 11$  dan  $y + 2x = 14$

$\swarrow \quad \searrow$   
 $\frac{-3y}{\square} = \frac{-6x}{\square} - \frac{11}{\square}$   $y = \square + 14$

$y = \square x + \frac{11}{3}$   $m = \square$

$m = \square$  Selari  $\square$

tidak selari  $\square$

3.  $y = 3x + 4$  dan  $8x + 2y = 15$

$\swarrow$   
 $m = \square$

$2y = \square + 15$

$\frac{2y}{\square} = \frac{\square}{\square} x + \frac{15}{\square}$

Selari  $\square$   $y = \square x - \frac{\square}{\square}$

tidak selari  $\square$   $m = \square$

4.  $2x + 3y = 6$  dan  $-4x - 6y = 6$

$3y = \square + 6$   $-6y = \square + 6$

$y = \frac{\square}{\square} x + \frac{6}{\square}$   $-6y = \frac{\square}{\square} x + \frac{6}{\square}$

$m = \frac{\square}{\square}$   $y = \frac{\square}{\square} x + \frac{4}{\square}$

Selari  $\square$

tidak selari  $\square$

5.  $2x - 5y = 4$  dan  $2y = 5x - 13$

$\downarrow$   
 $-5y = \square + 4$

$\frac{2y}{\square} = \frac{5}{\square} x - \frac{\square}{\square}$

$\frac{-5y}{\square} = \frac{\square}{\square} x + \frac{4}{\square}$   $y = \frac{\square}{\square} x - \frac{13}{2}$

$y = \frac{\square}{\square} x + \frac{4}{\square}$   $m = \frac{\square}{\square}$

$m = \frac{\square}{\square}$

Selari  $\square$

tidak selari  $\square$