

# 直線の方程式

$$y = \text{傾き} x + \text{切片}$$

## 2 直線の平行条件

$$y = ☆ x + △ と$$

$$y = ★ x + ▲ が平行$$

## 2 直線の平行条件

$$y = \star x + \triangle \text{ と}$$

$$y = \star x + \blacktriangle \text{ が平行}$$



$$\star = \star$$

$y = -2x + 3$  と平行な直線を答えなさい

(ア)  $y = 3x + 5$

(イ)  $y = -2x + 1$

(ウ)  $y = 7 + x$

(エ)  $y = 12 - 2x$

(オ)  $2x + y - 7 = 0$

$y = -2x + 3$  と平行な直線を答えなさい

(ア)  $y = 3x + 5$       (イ)  $y = -2x + 1$

(ウ)  $y = 7 + x$       (エ)  $y = 12 - 2x$

(オ)  $2x + y - 7 = 0$

傾きが  $-2$  のものを探す

$y = -2x + 3$  と平行な直線を答えなさい

(ア)  $y = 3x + 5$

(イ)  $y = -2x + 1$

(ウ)  $y = 7 + 1x$

(エ)  $y = 12 - 2x$

(オ)  $2x + y - 7 = 0$

$$y = -2x + 7$$

$y = -2x + 3$  と平行な直線を答えなさい

(ア)  $y = 3x + 5$       (イ)  $y = -2x + 1$

(ウ)  $y = 7 + 1x$       (エ)  $y = 12 - 2x$

(オ)  $2x + y - 7 = 0$

$$y = -2x + 7$$

答 (イ), (エ), (オ)

## 2 直線の垂直条件

$$y = \star x + \triangle \text{ と}$$

$$y = \blackstar x + \blacktriangle \text{ が垂直}$$



## 2 直線の垂直条件

$$y = \star x + \triangle \text{ と}$$

$$y = \star x + \blacktriangle \text{ が垂直}$$



$$\star \times \star = -1$$

$y = 5x - 4$  と垂直な直線を答えなさい

(ア)  $y = 5x + 1$

(イ)  $y = -\frac{1}{5}x + 4$

(ウ)  $y = 2 - 5x$

(エ)  $y = \frac{1}{5}x - 8$

(オ)  $x + 5y - 3 = 0$

$y = 5x - 4$  と垂直な直線を答えなさい

(ア)  $y = 5x + 1$       (イ)  $y = -\frac{1}{5}x + 4$

(ウ)  $y = 2 - 5x$       (エ)  $y = \frac{1}{5}x - 8$

(オ)  $x + 5y - 3 = 0$

傾きが  $-\frac{1}{5}$  のものを探す  
(  $5 \times (-\frac{1}{5}) = -1$  だから )

$y = 5x - 4$  と垂直な直線を答えなさい

(ア)  $y = 5x + 1$       (イ)  $y = -\frac{1}{5}x + 4$

(ウ)  $y = 2 - 5x$       (エ)  $y = \frac{1}{5}x - 8$

(オ)  $x + 5y - 3 = 0$   
 $5y = -x + 3$

$y = 5x - 4$  と垂直な直線を答えなさい

(ア)  $y = 5x + 1$       (イ)  $y = -\frac{1}{5}x + 4$

(ウ)  $y = 2 - 5x$       (エ)  $y = \frac{1}{5}x - 8$

(オ)  $x + 5y - 3 = 0$   
 $5y = -x + 3$   
 $y = -\frac{1}{5}x + \frac{3}{5}$

答 (イ), (オ)