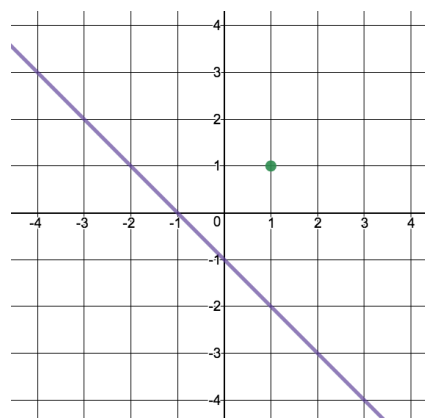
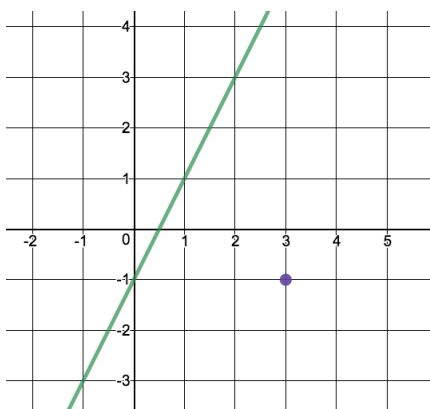
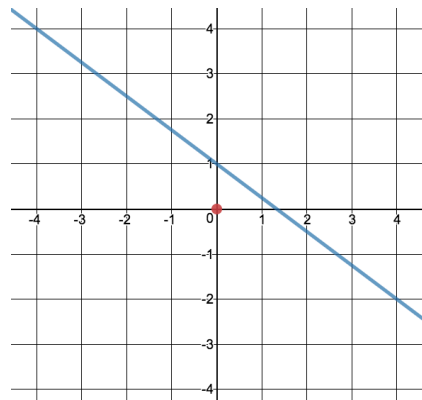
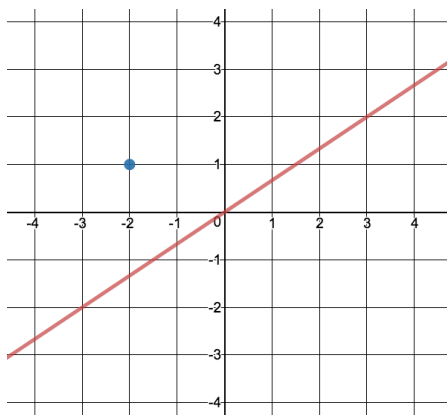


Parallel & Perpendicular Lines

Draw a line that is **parallel** and a line that is **perpendicular** to the given line and crossing through the given point.



Write equations that are parallel or perpendicular to the following.

$$y = \frac{2}{3}x + 4$$

Parallel

Perpendicular

$$y = -\frac{5}{4}x - 1$$

Parallel

Perpendicular

$$y = 3x + 4$$

Parallel

Perpendicular

$$3x + 4y = 12$$

Parallel

Perpendicular

Write an equation of the line that passes through (6, -2) and is perpendicular to the line $y = 2x + 3$.

Write an equation of the line that passes through (4, -5) and is parallel to the line $y = -\frac{3}{4}x + 6$.

Fill in the box with a number that will make the two equations parallel.

$$y = 2x - 4$$

$$\boxed{}x + 3y = 12$$

Write an equation of the line that passes through (5, 1) and is parallel to the line $-3x + 5y = 15$.