

Graphing Worksheet 37

1. Write the equation for the line that is:

(a) parallel to $y = -\frac{1}{5}x - 3$,
passing through $(5, -2)$.

(b) perpendicular to $y = -\frac{1}{5}x - 3$,
passing through $(5, -2)$.

2. Write the equation for the line that is:

(a) parallel to $y = \frac{8}{7}x + 6$,
passing through $(-2, 2)$.

(b) perpendicular to $y = \frac{8}{7}x + 6$,
passing through $(-2, 2)$.

3. Write the equation for the line that is:

(a) parallel to $-2x - 7y = -2$,
passing through $(-5, -8)$.

(b) perpendicular to $-2x - 7y = -2$,
passing through $(-5, -8)$.

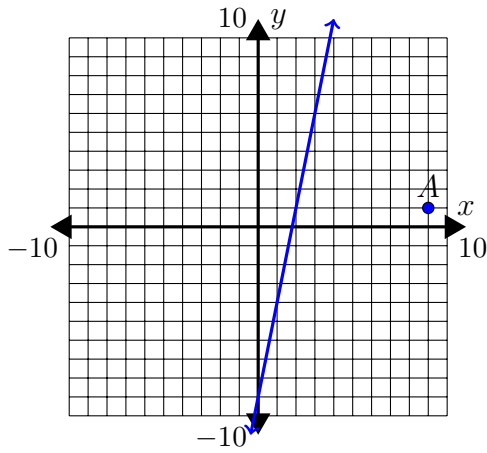
4. Write the equation for the line that is:

(a) parallel to $y = -8$,
passing through $(1, -5)$.

(b) perpendicular to $y = -8$,
passing through $(1, -5)$.

5. Write the equations of the lines whose graphs are parallel and perpendicular to the graphed line and passes through point A.

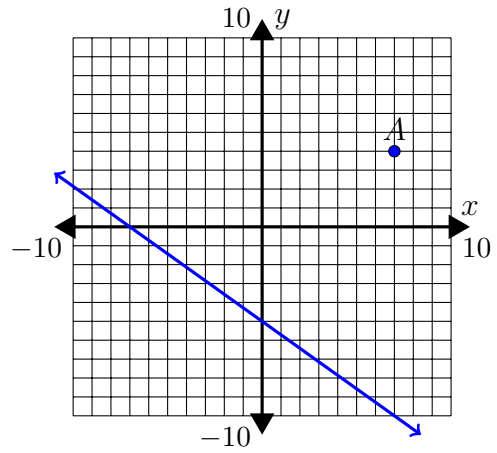
(a)



i. Parallel:

ii. Perpendicular:

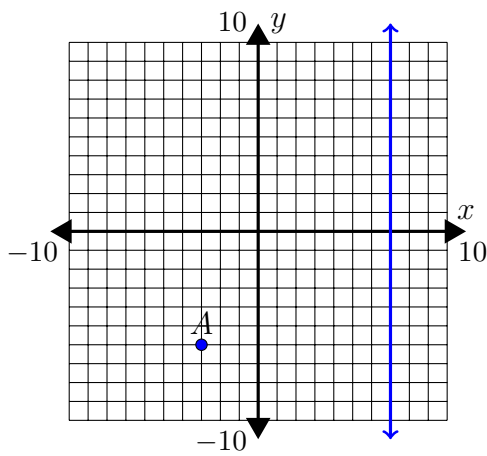
(b)



i. Parallel:

ii. Perpendicular:

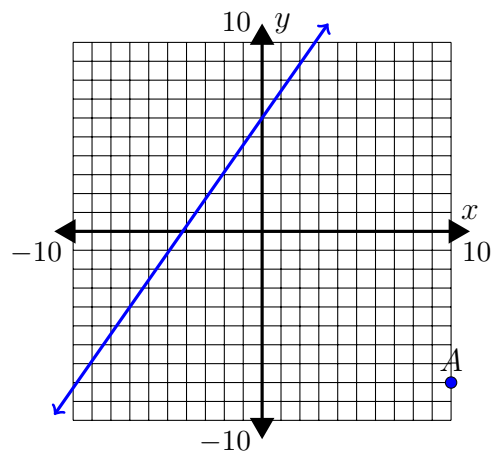
(c)



i. Parallel:

ii. Perpendicular:

(d)



i. Parallel:

ii. Perpendicular: