



Name: _____



Find the equation of the line that is parallel to:

a) $y = -\frac{1}{7}x + 5$ passing through (0,3)

b) $y = 3x - 6$ passing through (0, 2)

c) $y = -\frac{1}{5}x + 7$ passing through (0, -3)

Find the equation of the line that is perpendicular to:

d) $y = -\frac{1}{5}x + 3$ passing through (0,4)

e) $y = \frac{1}{2}x - 3$ passing through (0, 7)

f) $y = 3x + 1$ passing through (0, -4)

Find the equation of the line that is parallel to:

g) $y = 3x + 4$ passing through (1,6)

h) $y = 2x + 3$ passing through (3,0)

i) $y = -x + 5$ passing through (4, -7)

j) $y = -4x + 3$ passing through (-1 ,9)

Find the equation of the line that is perpendicular to:

k) $y = -\frac{1}{5}x + 5$ passing through (10,22)

l) $y = \frac{1}{3}x - 3$ passing through (2, -8)

m) $y = -\frac{1}{4}x + 4$ passing through (2, 12)

Exam question:

A straight line, L, passes through the point with coordinates (4, 4) and is perpendicular to the line with equation $y = 2x + 3$. Find an equation of the straight line L

