

Determine the equation with the given information.

1) through: $(5, -3)$, parallel to $y = -\frac{3}{5}x + 4$

2) through: $(1, 4)$, parallel to $y = 3x + 4$

3) through: $(-2, -1)$, parallel to $y = x + 4$

4) through: $(-5, -5)$, parallel to $y = \frac{7}{5}x + 4$

5) through: $(3, 3)$, parallel to $y = \frac{1}{3}x + 3$

6) through: $(1, 4)$, perp. to $y = -x + 2$

7) through: $(-3, 5)$, perp. to $y = 3x + 4$

8) through: $(1, 5)$, perp. to $x = 0$

9) through: $(5, 2)$, perp. to $y = \frac{5}{3}x + 3$

10) through: $(-1, 4)$, perp. to $y = \frac{1}{9}x + 3$